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ITY ASSESSMENT OF UNITED STATES BRANCHES



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MINISTRY OF THE ENVIRONMENT
SEP 08 1987
HAZARDOUS CONTAMINANTS
BRANCH

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appendix

Air quality in Ontario : annual
report 1985 appendix
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INTRODUCTION

This Appendix is intended for use in conjunction with the Annual Report-Air Quality in Ontario 1985.

For each pollutant, tables provide the location of stations and supply sample distribution information including means, maxima and the number of exceedances of the Ontario criteria.

The entire continuous (hourly) network is summarized in Appendix Table A-1. This table gives station name, numerical identifier, and pollutants measured. Letter codes indicate whether data are tele-metered (T,N,S or B) or chart-read (C). The column headings for pollutants are as follows:

SO₂ sulphur dioxide
COH soiling index (coefficient of haze)
CO carbon monoxide
O₃ ozone
NO₂ nitrogen dioxide
NO nitric oxide
NO_x total nitrogen oxides
THC total hydrocarbons
RHC reactive (non-methane) hydrocarbons
TRS total reduced sulphur
API air pollution index

Table A-2 gives detailed locations for the continuous monitoring network.

The particulate (daily) network is summarized in Appendix Table A-3. This table gives station name, numerical identifier, and pollutants measured. Numerals indicate the monitoring cycle frequency in days. Some additional codes are defined in the key at the top of the table. The column headings for pollutants are as follows:

TSP total suspended particulate
Cd cadmium
Co cobalt
Cr chromium
Cu copper
Fe iron
Mn manganese
Ni nickel
Pb lead
V vanadium
NO₃ nitrate
SO₄ sulphate

Table A-4 gives detailed locations for the daily monitoring network. The statistical data and the 10-year trends for the various pollutants are provided in Tables A-5 through A-37.

ABBREVIATIONS

INS — insufficient data to compute relevant statistic.
YR — year that monitoring began

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TABLE A-1 THE CONTINUOUS (HOURLY) NETWORK (1985)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, HOURLY DATA

T = TORONTO TELEMETRY ONLY N = NEMP TELEMETRY ONLY S = SUDBURY TELEMETRY ONLY
 C = CHART READ D = CALCULATED BY AQUIS M = MANUAL ENTRY TO AQUIS
 B = TORONTO TELEMETRY AND SUDBURY TELEMETRY

STATION NAME	ID	YR	SO2	COH	CO	O3	NO2	NO	NOX	THC	RHC	TRS	API
HURON PARK	10001	77	.	.	.	C	.	.	.	.	.	.	.
WINDSOR- WRIGHT	12007	84	C	.	.	.	.	.	.	.	.	C	.
WINDSOR- UNIVERSITY	12008	69	T	T	T	T	T	C	D	T	C	.	T
WINDSOR- WYANDOTTE	12013	76	C	.	.	.	.	.	.	.	.	C	.
WINDSOR- COLLEGE	12016	75	T	T	.	.	.	.	.	.	.	.	T
WINDSOR- DOUGALL 2	12047	84	C	.	.	.	.	.	.	.	.	.	.
WINDSOR- MALDEN	12048	84	C	.	.	.	.	.	.	.	.	.	.
12008- BACKUP	12108	73	.	T	.	.	.	.	.	.	.	.	.
12016- BACKUP	12116	75	.	T	.	.	.	.	.	.	.	.	.
MERLIN	13021	77	.	.	.	C	.	.	.	.	.	.	.
COURTRIGHT- CON 14	14004	73	C	.	.	.	.	.	.	.	.	.	.
COURTRIGHT- HWY 40	14016	69	T	.	.	.	.	.	.	.	.	.	.
SARNIA- CENTENNIAL	14064	78	T	T	T	T	T	C	D	T	.	C	T
PETROLIA	14118	77	.	.	.	C	.	.	.	.	.	.	.
THEDFORD	14119	83	.	.	.	C	.	.	.	.	.	.	.
14064- BACKUP	14164	78	T	T	.	.	.	.	.	.	.	.	.
LONDON- FAIR GROUNDS	15001	70	T	T	T	T	T	T	D	T	.	.	.
LONGWOODS	15009	83	.	C	.	.	.	.	.	.	.	.	.
PARKHILL	15013	83	.	.	.	C	.	.	.	.	.	.	.
TIVERTON- CON RD 2	18007	79	C	.	.	C	.	.	.	.	.	C	.
SIMCOE	22071	75	T	T	.	T	T	T	D	.	T	.	.
NANTICOKE- CHEAPSIDE	22086	77	N	.	.	.	N	N	N	.	N	N	.
TOWNSEND	22091	84	N	.	.	.	.	.	.	.	.	.	.
LONG POINT	22901	79	N	.	.	N	N	N	N	.	.	.	.
NANTICOKE- WALPOLE	22904	79	.	.	.	.	.	.	.	.	N	N	.
NANTICOKE- RAINHAM	22907	84	N	.	.	.	.	.	.	.	.	N	.
KITCHENER	26029	76	C	.	C	C	C	C	D	.	.	.	.
ALLANBURG	27011	76	.	.	.	.	.	.	.	.	.	.	.
ST CATHARINES- NORTH	27037	76	T	T	T	T	T	C	D	.	C	.	T
THOROLD- NIAGARA	27042	78	C	.	.	.	.	.	.	.	.	.	.
FORT ERIE	27048	79	C	.	.	.	.	.	.	.	.	.	.
CHIPPAWA- NORTON	27051	79	C	.	.	.	.	.	.	.	.	C	.
THOROLD- QUEEN	27052	83	C	C	.	.	.	.	.	.	.	C	.
NIAGARA F- STANLEY	27055	83	C	C	.	.	.	.	.	.	.	C	.
NIAGARA F- ALLENDALE	27056	83	T	T	.	.	.	.	.	.	.	.	T
27037- BACKUP	27137	79	T	T	.	.	.	.	.	.	.	.	T
27056- BACKUP	27156	83	T	T	.	.	.	.	.	.	.	.	T
GUELPH- FARQUHAR	28025	80	C	.	.	.	.	.	.	.	.	.	.
HAMILTON- HUNTER	29001	61	.	C	.	.	.	.	.	.	.	.	.
HAMILTON- WENTWORTH	29025	69	T	T	T	T	T	C	D	.	C	T	T

TABLE A-1 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, HOURLY DATA

T = TORONTO TELEMETRY ONLY N = NEMP TELEMETRY ONLY S = SUDBURY TELEMETRY ONLY
 C = CHART READ D = CALCULATED BY AQUIS M = MANUAL ENTRY TO AQUIS
 B = TORONTO TELEMETRY AND SUDBURY TELEMETRY

STATION NAME	ID	YR	SO2	COH	CO	O3	NO2	NO	NOX	THC	RHC	TRS	API
HAMILTON- BEACH	29102	84	T	T	T	.	T	T	D	.	C	T	T
HAMILTON- NASH	29105	85	C	C	.	C	.	.	.	.	.	.	.
HAMILTON- VICKERS	29114	85	C	C	.	C	.	.	.	.	.	.	.
HAMILTON- MAIN	29118	85	C	C	.	C	C	C	D	.	.	.	.
29025- BACKUP	29125	70	T	T	.	.	.	.	.	.	.	.	T
TORONTO- MISSION	31049	72	.	C	C	.	C	C	D	.	.	.	.
31104- BACKUP	31103	81	T	T	.	.	.	.	.	.	.	.	T
TORONTO- BREADALBANE	31104	81	T	T	T	T	T	T	D	T	.	.	T
TORONTO- SHERBOURNE	31105	77	T	T	T	T	T	T	D	.	.	.	T
TORONTO- JUNCTION	31120	81	T	T	T	C	T	T	D	T	.	.	T
TORONTO- CN TOWER	31190	85	C	C	C	C	C	C	D	.	.	.	.
SCARBORO- LAWRENCE	33003	70	T	T	T	T	T	T	D	T	.	.	T
SCARBORO- REDLAND	33019	69	C	.	.	.	.	.	.	.	.	.	.
N YORK- SCIENCE CTR	34002	69	C	.	C	C	C	C	D	C	.	.	.
N YORK- STADACONA	34007	70	C	C	.	.	C	C	D	.	.	.	.
ETOBICOKE- ELMCREST	35003	69	C	.	C	C	C	C	D	C	.	.	.
ETOBICOKE- QUEENSWAY	35005	68	C	.	.	.	.	.	.	.	.	.	.
ETOBICOKE- EVANS	35033	67	T	T	T	T	T	T	D	T	.	.	T
ETOBICOKE- MOE LAB	35050	76	C	.	.	.	.	.	.	.	.	.	.
BURLINGTON	44008	79	C	.	C	C	C	C	D	.	.	.	.
OAKVILLE	44015	80	T	T	T	C	T	T	D	C	.	T	.
OSHAWA- RITSON	45025	79	T	T	T	T	T	T	D	.	.	.	T
MIS'AUGA- GREEN	46100	77	C	.	.	.	.	.	.	.	.	.	.
MIS'AUGA- QUEENSWAY	46110	77	C	.	C	C	C	C	D	.	.	.	.
ALLISTON	47035	81	.	.	.	C	.	.	.	.	.	.	.
BARRIE	47042	83	C	.	.	.	.	.	.	.	.	.	.
STOUFFVILLE	48002	74	C	.	.	C	C	C	D	.	.	.	.
DORSET	49010	81	C	.	.	C	D	C	C	.	.	.	.
OTTAWA- MCDONALD GDN	51001	71	T	T	T	T	T	T	D	.	.	.	.
CORNWALL- MEMORIAL P	56051	70	T	T	T	T	T	T	D	.	.	T	.
CORNWALL- 435 W 2ND	56068	75	.	.	.	.	.	.	.	.	.	C	.
SOUTH MOUNTAIN	56071	84	.	.	.	.	.	.	.	.	.	C	.
PETERBORO- CITY HALL	59006	76	C	.	.	C	.	.	.	.	.	.	.
BALMERTOWN	61014	82	C	.	.	.	.	.	.	.	.	.	.
DRYDEN	61027	84	.	.	.	.	.	.	.	.	.	C	.
KENORA	61030	83	C	.	.	.	.	.	.	.	.	.	.
F FRANCES- COLONIZ'N	62032	76	.	.	.	.	.	.	.	.	.	C	.
F FRANCES- VICTORIA	62051	82	.	.	.	.	.	.	.	.	.	C	.
F FRANCES- CHURCH	62052	82	.	.	.	.	.	.	.	.	.	C	.
THUNDER B- ALGOMA	63022	78	C	.	.	.	.	.	.	.	.	.	.

TABLE A-1 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, HOURLY DATA

T = TORONTO TELEMETRY ONLY N = NEMP TELEMETRY ONLY S = SUDBURY TELEMETRY ONLY
 C = CHART READ D = CALCULATED BY AQUIS M = MANUAL ENTRY TO AQUIS
 B = TORONTO TELEMETRY AND SUDBURY TELEMETRY

STATION NAME	ID	YR	SO2	COH	CO	O3	NO2	NO	NOX	THC	RHC	TRS	API
MARATHON- PENINSULA	63034	82	.	.	.	.	.	.	.	.	.	C	.
THUNDER B- JAMES	63040	75	C	C	.	C	.	.	.	.	.	.	.
THUNDER B- MONTREAL	63046	76	.	.	.	.	.	.	.	.	.	C	.
RED ROCK	63084	81	.	.	.	.	.	.	.	.	.	C	.
TERRACE BAY	63090	81	.	.	.	.	.	.	.	.	.	C	.
HAWKEYE LAKE	63100	83	C	.	.	C	C	C	D	.	.	.	.
MISSION	71057	78	C	.	.	.	.	.	.	.	.	.	.
S.S.MARIE- FARWELL	71066	83	S	S	S	S	S	D	S	.	.	.	.
NORTH BAY	75010	79	C	.	.	.	.	.	.	.	.	.	.
MOBILE	77000	84	C	.	.	.	.	.	.	.	.	.	.
BURWASH	77009	52	S	.	.	.	.	.	.	.	.	.	.
CALLUM	77010	61	S	.	.	.	.	.	.	.	.	.	.
SKEAD	77012	52	S	.	.	.	.	.	.	.	.	.	.
HANMER	77013	65	S	.	.	.	.	.	.	.	.	.	.
RAYSIDE	77014	57	S	.	.	.	.	.	.	.	.	.	.
SUDBURY- ASH	77016	69	B	T	B	B	B	T	D	.	.	.	T
CONISTON- GOVERNMENT	77028	74	B	T	.	.	.	.	.	.	.	.	T
ESPANOLA- SPRUCE	77029	77	.	.	.	.	.	.	.	.	.	S	.
GARSON- FALCONBRIDGE	77065	76	S	.	.	.	.	.	.	.	.	.	.
LAKE TEMAGAMI	77066	75	C	.	.	.	.	.	.	.	.	.	.
NEW SUDBURY- KENNEDY	77075	76	B	T	.	.	.	.	.	.	.	.	T
SUDBURY- LONG LAKE	77096	80	S	.	.	.	.	.	.	.	.	.	.
MIKKOLA	77201	82	S	.	.	.	.	.	.	.	.	.	.
HIGH FALLS	77202	84	S	.	.	S	S	D	S	.	.	.	.
SCIENCE NORTH	77203	84	S	S	S	S	S	D	S	.	.	S	.
RAYSIDE- ST LAURENT	77206	85	S	.	.	.	.	.	.	.	.	.	.

TABLE A-2 LOCATIONS OF CONTINUOUS (HOURLY) STATIONS (1985)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, HOURLY DATA

LOCATION	ID	YR	UTM-X	UTM-Y	ZONE	ELEV (M)
COLLEGE OF AGRIC TECH HURON PARK	10001	77	459200.	4793100.	17	5
WRIGHT/WATER ST WINDSOR	12007	84	327100.	4682300.	17	4
467 UNIVERSITY AV W WINDSOR	12008	69	331600.	4686700.	17	8
FILTRAT PLT, 3665 WYANDOTTE ST E WINDSOR	12013	76	335800.	4687400.	17	6
COLLEGE/SOUTH ST WINDSOR	12016	75	329000.	4684100.	17	4
DORWIN PLAZA, DOUGALL AV WINDSOR	12047	84	332700.	4683400.	17	3
MALDEN RD (S LAURIER DR) WINDSOR	12048	84	329900.	4676600.	17	3
467 UNIVERSITY AV W BKUP WINDSOR	12108	73	328600.	4686700.	17	8
COLLEGE/PRINCE BKUP WINDSOR	12116	75	328900.	4683900.	17	4
MOE WATER PUMP STN, MIDDLE RD MERLIN	13021	77	399100.	4677600.	17	3
CON RD 14 (E OF RWY TRACKS) COURTRIGHT	14004	73	380800.	4734300.	17	4
HWY 40 (OPP LAMBTON GS) COURTRIGHT	14016	69	379300.	4739700.	17	4
CENTENNIAL PK, FRONT ST/CN TRACKS SARNIA	14064	78	385400.	4759600.	17	3
PUC BLDG, HWY 21 PETROLIA	14118	77	402700.	4756400.	17	5
PUB BLDG THEDFORD	14119	83	430300.	4779800.	17	5
CENTENNIAL PK, BKUP SARNIA	14164	78	385400.	4759600.	17	3
WRN FAIR GROUNDS, KING/RECTORY LONDON	15001	70	481800.	4759500.	17	4
LONGWOODS CONSERVATION AUTHORITY	15009	83	460700.	4747700.	17	2
PUC BLDG PARKHILL	15013	83	444800.	4779300.	17	5
CONCESSION RD 2 LOT A TIVERTON	18007	79	454100.	4905300.	17	4
EXPERIMENTAL FARM SIMCOE	22071	75	559700.	4744900.	17	4
CHEAPSIDE RD (3 KM S OF HWY 3) NANTICOKE	22086	77	582100.	4747200.	17	5
TOWNLINE RD/CON 13 TOWNSEND	22091	84	570200.	4748600.	17	4
PROVINCIAL PARK LONG POINT	22901	79	550200.	4713800.	17	4
WALPOLE S PS, SANDUSK RD NANTICOKE	22904	79	579400.	4743400.	17	4
RAINHAM RD (NEAR STELCO GATE) NANTICOKE	22907	84	575200.	4739800.	17	4
EDNA/FREDERICK STS KITCHENER	26029	76	542700.	4811600.	17	5
TRANSFORMER STN, HWY 58 ALLANBURG	27011	76	647600.	4770200.	17	10
NORTH/GENEVA ST ST CATHARINES	27037	76	643100.	4780500.	17	6
NIAGARA FALLS RD/ONTARIO ST THOROLD	27042	78	646900.	4773900.	17	5
NIAGARA PUB WORKS, DOMINION RD FORT ERIE	27048	79	667000.	4750000.	17	2
HOLY T CHURCH, NORTON/PORTAGE CHIPPAWA	27051	79	658000.	4769400.	17	16
185 QUEEN ST S THOROLD	27052	83	646000.	4774900.	17	1
STP GROUNDS, STANLEY AV NIAGARA FALLS	27055	83	655900.	4776300.	17	4
ALLENDAL AV NIAGARA FALLS	27056	83	655700.	4771800.	17	5
NORTH/GENEVA ST API BKUP ST CATHARINES	27137	79	643100.	4780500.	17	6
ALLENDAL AV BACKUP NIAGARA FALLS	27156	83	655700.	4771800.	17	5
FARQUHAR/WYNDHAM ST GUELPH	28025	80	560900.	4821300.	17	4
HUGHSON/HUNTER HAMILTON	29001	61	591800.	4789400.	17	9
BARTON/WENTWORTH HAMILTON	29025	69	593900.	4790000.	17	4

TABLE A-2 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, HOURLY DATA

LOCATION	ID	YR	UTM-X	UTM-Y	ZONE	ELEV (M)
467 BEACH BLVD HAMILTON	29102	84	598900.	4791900.	17	4
NASH RD/KENTLEY DR HAMILTON	29105	85	599800.	4787200.	17	4
VICKERS RD/EAST 18TH ST HAMILTON	29114	85	592300.	4786700.	17	3
MAIN ST/W HWY 403 HAMILTON	29118	85	588700.	4789800.	17	3
BARTON/WENTWORTH API BKUP HAMILTON	29125	70	593700.	4790000.	17	4
MISSION, 381 YONGE ST TORONTO	31049	72	630400.	4835100.	17	4
26 BREADALBANE BKUP TORONTO	31103	81	630200.	4835600.	17	15
26 BREADALBANE API TORONTO	31104	81	630200.	4835600.	17	15
SHERBOURNE/WILTON ST TORONTO	31105	77	631700.	4833800.	17	5
JUNCTION TRIANGLE, PERTH AV TORONTO	31120	81	624800.	4834400.	17	9
CN TOWER, 301 FRONT ST W TORONTO	31190	85	630100.	4833200.	17	444
LAWRENCE/KENNEDY SCARB	33003	70	638900.	4845100.	17	4
MET BRANCH, SCARB BLUFFS SCARB	33019	69	642200.	4841100.	17	1
SC CTR, 770 DON MILLS RD NORTH YORK	34002	69	633800.	4841400.	17	17
STADACONA/HWY 401 NORTH YORK	34007	70	625900.	4843500.	17	2
ELMCREST RD ETOBICOKE	35003	69	613600.	4833800.	17	4
QUEENSWAY HOSPITAL ETOBICOKE	35005	68	615900.	4829300.	17	9
EVANS/ARNOLD AV ETOBICOKE	35033	67	619200.	4830200.	17	3
MOE LAB, RESOURCES RD ETOBICOKE	35050	76	617500.	4840500.	17	18
HWY 2/NORTH SHORE BLVD E BURLINGTON	44008	79	597200.	4796400.	17	17
BRONTE RD/WOBURN CRES OAKVILLE	44015	80	603100.	4805900.	17	5
RITSON RD/OLIVE AV OSHAWA	45025	79	672700.	4861800.	17	5
PUB SCHOOL, GREEN GLADE RD MISSISSAUGA	46100	77	612400.	4818700.	17	11
QUEENSWAY W/HURONTARIO ST MISSISSAUGA	46110	77	612200.	4824900.	17	5
M OF A, 509 VICTORIA ST E ALLISTON	47035	81	591800.	4889800.	17	4
ARMOURY BLDG PARK/PARKSIDE ST BARRIE	47042	83	503800.	4915700.	17	12
TRAILER/MTC YARD #9, HWY 47 STOUFFVILLE	48002	74	639100.	4869400.	17	5
HWY 117/PAINT LAKE RD DORSET	49010	81	662400.	5009600.	17	3
MCDONALD, RIDEAU/WURTENBURG ST OTTAWA	51001	71	447100.	5031200.	18	4
MEMORIAL PARK, BEDFORD/THIRD STS CORNWALL	56051	70	520800.	4984600.	18	4
SCHOOL, 435 SECOND ST W CORNWALL	56068	75	520500.	4984500.	18	6
BERRYS FEED MILL S MOUNTAIN VILLAGE	56071	84	464700.	4981800.	18	4
CITY HALL, 500 GEORGE ST PETERBOROUGH	59006	76	713700.	4909500.	17	18
SEWAGE TREATMENT PLT BALMERTOWN	61014	82	448200.	5656100.	15	6
35 VAN HORNE AV DRYDEN	61027	84	611600.	5514300.	15	15
112 FOURTH ST N KENORA	61030	83	392900.	5514200.	15	10
CEMETERY COLONIZATION RD W FORT FRANCES	62032	76	469700.	5384100.	15	5
BOISE CASCADE, VICTORIA AV FORT FRANCES	62051	82	471000.	5383500.	15	5
262 CHURCH ST FORT FRANCES	62052	82	470800.	5383900.	15	8
HOSPITAL, 35 ALGOMA ST N THUNDER BAY	63022	78	335600.	5367200.	16	22

TABLE A-2 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, HOURLY DATA

LOCATION	ID	YR	UTM-X	UTM-Y	ZONE	ELEV (M)

PENINSULA BLDG MARATHON	63034	82	545300.	5396000.	16	12
435 JAMES ST S THUNDER BAY	63040	75	330200.	5360700.	16	15
CAN-CAR BLDG, MONTREAL ST THUNDER BAY	63046	76	330000.	5358400.	16	3
RECREATION CENTRE RED ROCK	63084	81	408000.	5421600.	16	7
ST. MARTIN SCHOOL TFRRACE BAY	63090	81	492700.	5403400.	16	8

HAWKEYE LAKE	63100	83	317500.	5393100.	16	4
MICHIPICOTEN AV LOT 38 TOWN OF MISSION	71057	78	662500.	5311000.	16	4
FARWELL PUMPHOUSE S.S.MARIE	71066	83	702400.	5156100.	16	4
OPP STN NORTH BAY	75010	79	619700.	5130500.	17	4
NE REGION MOBILE MONITOR	77000	84				

BURWASH SUDBURY AIRSHED	77009	52	514400.	5122800.	17	5
CALLUM SUDBURY AIRSHED	77010	61	527000.	5152500.	17	5
SKEAD SUDBURY AIRSHED	77012	52	518600.	5167800.	17	5
HANMER SUDBURY AIRSHED	77013	65	504100.	5166300.	17	5
RAYSIDE	77014	57	493400.	5161500.	17	5

ASH ST WATER TANK SUDBURY AIRSHED	77016	69	499400.	5148600.	17	3
GOVERNMENT RD/EDWARD ST CONISTON	77028	74	511800.	5148000.	17	5
POST OFFICE, SPRUCE/BARBER ST ESPANOLA	77029	77	440500.	5123500.	17	6
FALCONBRIDGE RD GARSON SUDBURY DISTRICT	77065	76	510900.	5155900.	17	5
KENNEDY ST NEW SUDBURY	77075	76	504400.	5152000.	17	5

BEAR ISLAND LAKE TEMAGAMI	77066	75	570400.	5202200.	17	5
LONG LAKE RD SUDBURY VILLA LOYOLA	77096	80	499200.	5138700.	17	4
MIKKOLA J HAMILTON SCHOOL WALDEN	77201	82	491500.	5140500.	17	5
HIGH FALLS	77202	84	458100.	5136500.	17	33
SCIENCE N SUDBURY	77203	84	500800.	5146100.	17	10
ST LAURENT & REGIONAL RD RAYSIDE	77206	85	492700.	5159900.	17	4

TABLE A-3 THE PARTICULATE (DAILY) NETWORK (1985)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, DAILY DATA

SINGLE DIGITS = CYCLE DURATION IN DAYS EXCEPT: S = SEASONAL V = VARIABLE W = WEEKDAYS

STATION NAME	ID	YR	TSP	CD	CO	CR	CU	FE	MN	NI	PB	V	NO3	SO4
GODERICH	10015	76	6	.	.	.	.	.	.	.	.	.	6	6
ST MARYS	11001	78	6	.	.	.	.	.	.	.	.	.	.	.
WINDSOR- CITY HALL	12002	69	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR- RIVERSIDE	12005	78	6	6	6	6	6	6	6	6	6	6	6	6
LA SALLE	12006	83	6	.	.	.	.	.	.	.	.	.	.	.
WINDSOR- WRIGHT	12007	84	6	.	.	.	.	.	.	.	.	.	.	.
WINDSOR- UNIVERSITY	12008	70	1	1	1	1	1	1	1	1	1	1	1	1
LITTLE RIVER	12009	71	6	.	.	.	.	.	.	.	6	.	6	6
WINDSOR- MANNING	12010	71	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR- WYANDOTTE	12013	71	6	6	6	6	6	6	6	6	6	6	.	.
WINDSOR- PROSPECT	12015	71	6	6	6	6	6	6	6	6	6	6	6	6
WINDSOR- COLLEGE	12016	75	3	.	.	.	.	3	.	.	3	.	.	.
WINDSOR- GEORGE	12036	77	6	.	.	.	.	.	.	.	.	.	.	.
WINDSOR- CALIFORNIA	12037	77	6	.	.	.	.	.	.	.	.	.	.	.
WINDSOR- HOWARD	12038	77	6	.	.	.	.	6	6	.	.	.	.	.
WINDSOR- DOUGALL 1	12039	78	6	.	.	.	.	6	.	.	.	.	.	.
WINDSOR- DOUGALL 2	12047	85	6	.	.	.	.	6	6	.	.	.	.	.
WINDSOR- ALEXANDRINE	12049	85	6	.	.	.	.	6	6	.	.	.	.	.
WINDSOR- CHARLES	12050	85	6	.	.	.	.	6	6	.	.	.	.	.
AMHERSTBURG	12053	81	6	.	.	.	.	.	.	.	.	.	.	.
12015- BACKUP	12115	85	6	.	.	.	.	.	.	.	.	.	.	.
CHATHAM	13003	69	6	6	6	6	6	6	6	6	6	6	6	6
SARNIA- HITTON	14001	69	6	.	.	.	.	.	.	.	.	.	.	.
COURTRIGHT- HWY 40	14016	69	1	1	1	1	1	1	1	1	1	1	1	1
CORUNNA- RRI	14030	78	6	6	6	6	6	6	6	6	6	6	.	.
MOORETOWN	14031	78	6	6	6	6	6	6	6	6	6	6	.	.
SARNIA- POINT EDWARD	14054	69	6	.	.	.	.	.	.	.	.	.	.	.
CORUNNA- ST CLAIR	14059	75	6	.	.	.	.	.	.	.	.	.	.	.
SARNIA- CENTENNIAL	14064	78	6	6	6	6	6	6	6	6	6	6	6	6
SARNIA- DAVID	14151	79	6	.	.	.	.	.	.	.	.	.	.	.
LONDON- FAIR GROUNDS	15001	70	6	6	6	6	6	6	6	6	6	6	6	6
LONDON- DUNDAS	15003	70	6	.	.	.	.	.	.	.	6	.	6	6
ST THOMAS- ALEX'DRIA	15006	75	6	.	.	.	.	.	.	.	.	.	.	.
ST THOMAS- TALBOT	15007	75	6	.	.	.	.	.	.	.	.	.	.	.
ST THOMAS- EDGEWARE	15008	81	6	.	.	.	.	.	.	.	6	.	.	.
LONGWOODS	15009	83	3	3	3	3	3	3	3	3	3	3	.	.
BEACHVILLE	17006	74	6	.	.	.	.	.	.	.	.	.	.	.
INGERSOLL	17020	81	6	.	.	.	.	.	.	.	.	.	.	.
EMBRO	17021	83	3	.	.	.	.	.	.	.	.	.	.	.
WINGHAM- WATER	17022	85	6	.	.	.	.	6	.	.	.	.	.	.

TABLE A-3 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85,DAILY DATA

SINGLE DIGITS = CYCLE DURATION IN DAYS EXCEPT: S = SEASONAL V = VARIABLE W = WEEKDAYS

STATION NAME	ID	YR	TSP	CD	CO	CR	CU	FE	MN	NI	PB	V	N03	S04
17006- BACKUP 2	17206	84	6	.	.	.	.	.	.	.	.	.	.	.
17006- BACKUP 3	17306	84	6	.	.	.	.	.	.	.	.	.	.	.
WINGHAM- LEOPOLD	18014	85	6	.	.	.	.	.	.	.	.	.	.	.
SIMCOE	22071	74	6	6	6	6	6	6	6	6	6	6	6	6
NANTICOKE- CHEAPSIDE	22086	77	6	.	.	.	.	.	.	.	.	.	6	6
JARVIS- JAMES	22087	80	6	.	.	.	.	.	.	.	.	.	.	.
PORT DOVER	22090	83	6	.	.	.	.	.	.	.	.	.	.	.
TOWNSEND	22091	84	6	.	.	.	.	.	.	.	.	.	.	.
JARVIS- RAINHAM	22092	85	6	.	.	.	.	.	.	.	.	.	.	.
NANTICOKE- WALPOLE	22904	79	6	.	.	.	.	.	.	.	6	.	.	.
NANTICOKE- RAINHAM	22907	84	6	.	.	.	.	.	.	.	.	.	.	.
PEACOCK PT	22952	80	6	.	.	.	.	.	.	.	.	.	.	.
BIG CREEK	22959	79	6	.	.	.	.	.	.	.	.	.	.	.
JARVIS- MCKENZIE	22960	79	6	.	.	.	.	.	.	.	.	.	.	.
NANTICOKE- RD	22961	79	6	.	.	.	.	.	.	.	.	.	.	.
NANTICOKE- GS	22964	84	6	.	.	.	.	.	.	.	.	.	.	.
JARVIS- HWY 6	22965	84	6	.	.	.	.	.	.	.	.	.	.	.
KITCHENER	26029	76	6	6	6	6	6	6	6	6	6	6	6	6
CHIPPAWA- STANLEY	27014	73	6	.	.	.	.	.	.	.	.	.	.	.
PORT COLBORNE	27030	73	6	.	.	.	.	.	.	6	.	.	.	.
ST CATHARINES- NORTH	27037	76	6	6	6	6	6	6	6	6	6	6	6	6
WELLAND	27045	78	6	.	.	.	.	.	.	.	.	.	.	.
PORT COLBORNE- DAVIS	27047	79	6	.	.	.	.	.	.	6	.	.	.	.
CHIPPAWA- NORTON	27051	79	6	.	.	.	.	.	.	.	.	.	.	.
THOROLD- QUEEN	27052	82	6	.	.	.	.	.	.	.	.	.	.	.
NIAGARA F- FIRST	27053	82	6	.	.	.	.	.	.	.	.	.	.	.
NIAGARA F- STANLEY	27055	82	6	.	.	.	.	.	.	.	.	.	.	.
NIAGARA F- ALLENDALE	27056	83	6	.	.	.	.	.	.	.	.	.	6	6
ST CATH- EASTCHESTER	27059	85	3	3	.	3	3	3	3	3	3	3	.	.
ST CATH- PETRIE	27060	85	3	3	.	3	3	3	3	3	3	3	.	.
GUELPH- FARQUHAR	28025	80	6	.	.	.	.	.	.	.	6	.	6	6
GUELPH- HANLON	28027	81	6	.	.	.	.	.	.	.	.	.	.	.
HAMILTON- HUNTER	29001	69	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON- KENILWORTH	29009	69	6	.	.	.	.	.	.	.	.	.	.	.
HAMILTON- BURLINGTON	29011	73	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON- CHATHAM	29017	61	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON- BARTON	29025	69	1	6	6	6	6	6	6	6	6	6	6	6
HAMILTON- HUGHSON	29067	73	6	6	6	6	6	6	6	6	6	6	.	.
HAMILTON- INVERNESS	29085	79	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON- CUMBERLAND	29087	79	6	.	.	.	.	.	.	.	.	.	6	6

TABLE A-3 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85,DAILY DATA

SINGLE DIGITS = CYCLE DURATION IN DAYS EXCEPT: S = SEASONAL V = VARIABLE W = WEEKDAYS

STATION NAME	ID	YR	TSP	CD	CO	CR	CU	FE	MN	NI	PB	V	N03	S04
HAMILTON- BARTON	29089	80	6	.	.	.	.	.	.	.	.	.	.	.
HAMILTON- BAY	29098	83	6	.	.	.	.	.	.	.	.	.	.	.
HAMILTON- BEACH	29102	85	1	1	1	1	1	1	1	1	1	1	1	1
WINONA- 300 FIFTY RD	29108	85	3	.	.	.	.	.	.	.	.	.	.	.
WINONA- 287 FIFTY RD	29109	85	3	.	.	.	.	.	.	.	.	.	.	.
WINONA- HWY 8	29110	85	3	.	.	.	.	.	.	.	.	.	.	.
HAMILTON- MAIN	29118	85	6	6	6	6	6	6	6	6	6	6	.	.
TORONTO- MOSLEY	31058	73	1	1	1	1	1	1	1	1	1	1	.	.
TORONTO- BERKSHIRE	31064	73	1	1	1	1	1	1	1	1	1	1	.	.
TORONTO- DUFFERIN	31079	74	1	.	.	.	.	.	.	.	1	.	.	.
TORONTO- HAMILTON	31082	74	1	.	.	.	.	.	.	.	1	.	.	.
TORONTO- SAULTER	31084	74	1	.	.	.	.	.	.	.	1	.	.	.
TORONTO- TECUMSETH	31085	79	1	.	.	.	.	.	.	.	1	.	.	.
TORONTO- BREADALBANE	31104	81	1	1	1	1	1	1	1	1	1	1	1	1
TORONTO- SHERBOURNE	31105	77	3	.	.	.	.	.	.	.	3	.	3	3
TORONTO- JUNCTION	31120	81	3	3	3	3	.	3	3	3	3	3	3	3
31104- BACKUP 3	31123	83	1	1	1	1	1	1	1	1	1	1	1	1
TORONTO- BATHURST	31181	83	1	.	.	.	.	.	.	.	1	.	.	.
E YORK- INDUSTRIAL	32008	85	1	1	1	1	1	1	1	1	1	1	.	.
SCARBORO- LAWRENCE	33003	70	3	3	3	3	3	3	3	3	3	3	3	3
SCARBORO- REDLAND	33019	69	6	.	.	.	.	.	.	.	6	.	6	6
N YORK- SCIENCE CTR	34002	70	3	3	3	3	3	3	3	3	3	3	3	3
ETOBICOKE- ELMCREST	35003	69	3	3	3	3	3	3	3	3	3	3	3	3
ETOBICOKE- QUEENSWAY	35005	69	3	.	.	.	.	.	.	.	.	.	3	3
ETOBICOKE- EVANS	35033	69	3	3	3	3	3	3	3	3	3	3	3	3
ETOBICOKE- LAKESHORE	35037	74	1	1	1	1	1	1	1	1	1	1	.	.
ETOBICOKE- MOL LAB	35051	80	1	.	.	.	.	.	.	.	.	.	.	.
BURLINGTON	44008	79	3	3	3	3	3	3	3	3	3	3	3	3
OAKVILLE	44015	80	3	3	3	3	3	3	3	3	3	3	3	3
PICKERING- FIRE HALL	45001	70	1	1	1	1	1	1	1	1	1	1	1	1
OSHAWA- LIBRARY	45011	69	3	3	3	3	3	3	3	3	3	3	.	.
OSHAWA- RITSON	45025	79	3	.	.	.	.	.	.	.	3	.	3	3
MIS'AUGA- LIBRARY	46025	70	6	6	6	6	6	6	6	6	6	6	6	6
BRAMALEA	46033	69	6	6	6	6	6	6	6	6	6	6	6	6
MIS'AUGA- 2414 DIXIE	46041	72	1	.	.	.	.	.	.	.	1	.	.	.
MIS'AUGA- 2365 DIXIE	46045	73	1	.	.	.	.	.	.	.	1	.	.	.
MIS'AUGA- 2360 DIXIE	46046	73	1	.	.	.	.	.	.	.	1	.	.	.
MIS'AUGA- QUEENSWAY	46110	78	3	.	.	.	.	.	.	.	3	.	3	3
ORILLIA	47019	77	6	.	.	.	.	.	.	.	.	.	6	6
BARRIE	47042	82	3	3	3	3	3	3	3	3	3	3	3	3

TABLE A-3 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85,DAILY DATA

SINGLE DIGITS = CYCLE DURATION IN DAYS EXCEPT: S = SEASONAL V = VARIABLE W = WEEKDAYS

STATION NAME	ID	YR	TSP	CD	CO	CR	CU	FE	MN	NI	PB	V	NO3	SO4
STOUFFVILLE	48002	80	3	.	.	.	.	.	.	.	.	.	.	.
BELLEVILLE	54013	69	6	6	6	6	6	6	6	6	6	6	6	6
CORNWALL- MONTREAL	56006	80	6	.	.	.	.	.	.	.	.	.	6	6
CORNWALL- MEMORIAL P	56051	70	6	6	6	6	6	6	6	6	6	6	6	6
L'ORIGNAL	56095	84	6	6	6	6	6	6	6	6	6	6	.	.
PORT HOPE- SHUTER	58027	75	1	.	.	.	.	.	.	.	.	.	1	1
PORT HOPE- MARSH	58041	84	1	.	.	.	.	.	.	.	.	.	1	1
PORT HOPE- QUEEN	58042	84	1	.	.	.	.	.	.	.	.	.	1	1
PETERBORO- CITY HALL	59006	77	3	3	3	3	3	3	3	3	3	3	3	3
ATIKOKAN	62013	76	6	.	.	.	.	.	.	.	.	.	.	.
F FRANCES- COLONIZ'N	62032	76	6	.	.	.	.	.	.	.	.	.	.	.
F FRANCES- CHURCH	62035	83	6	.	.	.	.	.	.	.	.	.	.	.
THUNDER B- ARCHIBALD	63005	70	6	6	6	6	6	6	6	6	6	6	6	6
THUNDER B- DAWSON	63012	70	6	.	.	.	.	.	.	.	.	.	.	.
THUNDER B- ALGOMA	63022	69	6	6	6	6	6	6	6	6	6	6	6	6
THUNDER B- JAMES	63040	75	6	.	.	.	.	.	.	.	6	.	6	6
THUNDER B- MONTREAL	63046	78	6	.	.	.	.	.	.	.	.	.	.	.
THUNDER B- WILLIAM	63052	80	6	.	.	.	.	.	.	.	.	.	.	.
LONGLAC- CENTENNIAL	63070	83	6	.	.	.	.	.	.	.	.	.	.	.
S.S.MARIE- BONNEY	71042	75	6	6	6	6	6	6	6	6	6	6	6	6
S.S.MARIE- QUEEN	71049	75	6	6	6	6	6	6	6	6	6	6	6	6
ELLIOT LK- DENISON	71053	77	6	.	.	.	.	.	.	.	.	.	.	.
ELLIOT LK- PORRIDGE	71062	83	6	.	.	.	.	.	.	.	.	.	.	.
BLIND RIVER	71065	82	6	.	.	.	.	.	.	.	.	.	.	.
S.S.MARIE- FARWELL	71066	83	6	6	6	6	6	6	6	6	6	6	6	6
ELLIOT LK- DUNLOP	71067	85	3	.	.	.	.	.	.	.	.	.	.	.
TIMMINS	72077	84	6	6	6	6	6	6	6	6	6	6	6	6
NORTH BAY	75010	79	6	6	6	6	6	6	6	6	6	6	6	6
NE REGION MOBILE	77000	84	V	V	V	V	V	V	V	V	V	V	V	V
SUDBURY- ASH	77016	69	6	6	6	6	6	6	6	6	6	6	6	6
SUDBURY- LISGAR	77026	72	6	6	6	6	6	6	6	6	6	6	6	6
ESPANOLA- SPRUCE	77029	77	6	.	.	.	.	.	.	.	.	.	.	.
COPPER CLIFF	77070	76	6	6	6	6	6	6	6	6	6	6	6	6
FALCONBRIDGE	77076	76	6	6	6	6	6	6	6	6	6	6	6	6
ESPANOLA- DELBAG	77129	82	.	.	.	.	.	.	.	.	.	.	6	6

TABLE A-4 LOCATIONS OF PARTICULATE (DAILY) STATIONS (1985)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, DAILY DATA

LOCATION	ID	YR	UTM-X	UTM-Y	ZONE	ELEV (M)

PUC BLDG, WEST ST GODERICH	10015	76	442500.	4843400.	17	6
309 THOMAS ST ST MARYS	11001	78	487900.	4788400.	17	30
CITY HALL, 444 WINDSOR AV WINDSOR	12002	69	332300.	4686700.	17	15
7730 RIVERSIDE DR E WINDSOR	12005	78	339500.	4689000.	17	10
BEACH LANE/HWY 18 LA SALLE	12006	83	326400.	4677800.	17	4

WRIGHT/WATER ST WINDSOR	12007	84	327100.	4682300.	17	4
467 UNIVERSITY AV W WINDSOR	12008	70	331600.	4686700.	17	8
9725 RIVERSIDE DR E LITTLE RIVER	12009	71	341300.	4688800.	17	2
SEWAGE STN, MANNING RD WINDSOR	12010	71	346000.	4687500.	17	1
FILTRAT PLT, 3665 WYANDOTTE ST E WINDSOR	12013	71	335800.	4687400.	17	6

SEWAGE STN, HWY 18/PROSPECT WINDSOR	12015	71	328300.	4683300.	17	5
COLLEGE/SOUTH ST WINDSOR	12016	75	329000.	4684100.	17	4
1802 GEORGE AV WINDSOR	12036	77	336700.	4685800.	17	5
3225 CALIFORNIA ST WINDSOR	12037	77	332700.	4681600.	17	4
2885 HOWARD AV WINDSOR	12038	77	334200.	4682600.	17	1

DOUGALL/E.C. ROW W WINDSOR	12039	78	333700.	4682100.	17	5
DORWIN PLAZA, DOUGALL AV WINDSOR	12047	85	332700.	4683400.	17	3
643 ALEXANDRINE WINDSOR	12049	85	334300.	4683200.	17	1
535 CHARLES ST WINDSOR	12050	85	334300.	4682700.	17	1
415 FRONT ST AMHERSTBURG	12053	81	325300.	4665700.	17	14

HWY 18/PROSPECT BKUP WINDSOR	12115	85	328300.	4683300.	17	5
POST OFFICE, 10 CENTRE ST CHATHAM	13003	69	402400.	4695200.	17	12
GENERAL HOSPITAL, 220 HITTON ST SARNIA	14001	69	386000.	4758700.	17	15
HWY 40 (OPP LAMBTON GS) COURTRIGHT	14016	69	379300.	4739700.	17	4
RR1 (W OF HOUSE) CORUNNA	14030	78	394900.	4748600.	17	1

RR1 (W OF BARN) MOORETOWN	14031	78	393800.	4746100.	17	1
SARNIA YACHT CLUB, POINT EDWARD SARNIA	14054	69	384600.	4761700.	17	5
ST CLAIR BLVD/HWY 40 CORUNNA	14059	75	381300.	4748100.	17	4
CENTENNIAL PK, FRONT ST/CN TRACKS SARNIA	14064	78	385400.	4759600.	17	3
DAVID/FRONT ST SARNIA	14151	79	385200.	4758800.	17	4

WRN FAIR GROUNDS, KING/RECTORY LONDON	15001	70	481800.	4759500.	17	4
362 DUNDAS ST LONDON	15003	70	480100.	4759000.	17	17
16 ALEXANDRIA ST ST THOMAS	15006	75	485600.	4736100.	17	6
1012 TALBOT ST ST THOMAS	15007	75	485700.	4736000.	17	9
EDGEWARE RD (NNW VARTA PLT) ST THOMAS	15008	81	487600.	4737900.	17	2

LONGWOODS CONSERVATION AUTHORITY	15009	83	460700.	4747700.	17	2
ST ANTHONY'S SS, HWY 2 BEACHVILLE	17006	74	513200.	4769600.	17	6
HWY 2 RR 2 (J SPIEL PROP) INGERSOLL	17020	81	511800.	4767500.	17	2
OXFORD CTY RD 6 (HESSTON FARM) EMBRO	17021	83	510200.	4772200.	17	1
182 WATER ST WINGHAM	17022	85	474700.	4856100.	17	1

TABLE A-4 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, DAILY DATA

LOCATION	ID	YR	UTM-X	UTM-Y	ZONE	ELEV (M)

ST ANTHONY'S SS HWY 2 BEACHVILLE	17206	84	513200.	4769600.	17	5
ST ANTHONY'S SS HWY 2 BEACHVILLE	17306	84	513200.	4769600.	17	5
369 LEOPOLD ST WINGHAM	18014	85	474700.	4849600.	17	1
EXPERIMENTAL FARM SIMCOE	22071	74	559700.	4744900.	17	4
CHEAPSIDE RD (3 KM S OF HWY 3) NANTICOKE	22086	77	582100.	4747200.	17	5

JARVIS COMMUNITY CENTRE, JAMES ST JARVIS	22087	80	572400.	4748100.	17	4
ST GEORGE/ALMA PORT DOVER	22090	83	564300.	4737700.	17	5
TOWNLINE RD/CON 13 TOWNSEND	22091	84	570200.	4748600.	17	4
RAINHAM RD/SANDUSK RD JARVIS	22092	85	579100.	4740700.	17	4
WALPOLE S PS, SANDUSK RD NANTICOKE	22904	79	579400.	4743400.	17	4

RAINHAM RD (NEAR STELCO GATE) NANTICOKE	22907	84	575200.	4739800.	17	4
PEACOCK PROV PARK CONSERVATION AREA	22952	80	582200.	4838800.	17	2
HWY 59 BIG CREEK WILDLIFE RESERVE	22959	79	544900.	4716500.	17	2
MCKENZIE RD/H-N RD N JARVIS	22960	79	583900.	4760000.	17	2
NANTICOKE RD/WALPOLE CON 2 NANTICOKE	22961	79	575800.	4741200.	17	3

N 2 KM NANTICOKE GS NANTICOKE	22964	84	574500.	4742000.	17	4
HWY 6/NORFOLK CON 2 JARVIS	22965	84	569800.	4741300.	17	2
EDNA/FREDERICK STS KITCHENER	26029	76	542700.	4811600.	17	5
STANLEY/CHIPPAWA PKWY CHIPPAWA	27014	73	656200.	4767900.	17	5
KILLALY E/JAMES ST PORT COLBORNE	27030	73	644400.	4750100.	17	5

NORTH/GENEVA ST ST CATHARINES	27037	76	643100.	4780500.	17	6
337 ALBERTA/DEVON ST WELLAND	27045	78	643300.	4758700.	17	1
DAVIS/FRAZER PORT COLBORNE	27047	79	643500.	4749700.	17	3
HOLY T CHURCH, NORTON/PORTAGE CHIPPAWA	27051	79	658000.	4769400.	17	16
185 QUEEN ST S THOROLD	27052	82	646000.	4774900.	17	1

FIRST AV/BRIDGE ST NIAGARA FALLS	27053	82	656600.	4774500.	17	1
STP GROUNDS, STANLEY AV NIAGARA FALLS	27055	82	655900.	4776300.	17	4
ALLENDALE AV NIAGARA FALLS	27056	83	655700.	4771800.	17	5
188 EASTCHESTER AV ST CATHARINES	27059	85	645300.	4780600.	17	1
PETRIE ST/DUNKIRK RD ST CATHARINES	27060	85	465100.	4780900.	17	3

FARQUHAR/WYNDHAM ST GUELPH	28025	80	560900.	4821300.	17	4
HANLON EXPT/SPEED RIVER GUELPH	28027	81	559400.	4819000.	17	6
HUGHSON/HUNTER HAMILTON	29001	69	591800.	4789400.	17	9
KENILWORTH HAMILTON	29009	69	596700.	4788400.	17	6
BURLINGTON/LEEDS HAMILTON	29011	61	595400.	4790500.	17	5

CHATHAM/FRID HAMILTON	29017	61	589800.	4789600.	17	6
BARTON/WENTWORTH HAMILTON	29025	69	593900.	4790000.	17	4
450 HUGHSON ST N HAMILTON	29067	73	592500.	4791300.	17	5
UPPER WELLINGTON/INVERNESS HAMILTON	29085	79	592100.	4788000.	17	5
405 CUMBERLAND AV HAMILTON	29087	79	594600.	4788200.	17	4

TABLE A-4 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, DAILY DATA

LOCATION	ID	YR	UTM-X	UTM-Y	ZONE	ELEV (M)

BARTON/NASH RD HAMILTON	29089	80	600000.	4787900.	17	6
BAY/MAIN ST HAMILTON	29098	83	591300.	4789600.	17	23
467 BEACH BLVD HAMILTON	29102	85	598900.	4791900.	17	4
300 FIFTY RD WINONA	29108	85	610500.	4784700.	17	1
287 FIFTY RD WINONA	29109	85	610400.	4784700.	17	1

1479 HWY 8 WINONA	29110	85	610900.	4784500.	17	4
MAIN ST/W HWY 403 HAMILTON	29118	85	588700.	4789800.	17	3
MOSLEY/LESLIE STS TORONTO	31058	73	634600.	4835300.	17	5
17 BERKSHIRE AV TORONTO	31064	73	634500.	4835300.	17	1
FIRE HALL, 1285 DUFFERIN ST TORONTO	31079	74	625900.	4835900.	17	9

WORKS DEPT, 138 HAMILTON AV TORONTO	31082	74	632800.	4835500.	17	5
MAYDWELL MFG, 65 SAULTER ST TORONTO	31084	74	633300.	4835100.	17	15
TECUMSETH/NIAGARA ST TORONTO	31085	79	628700.	4833000.	17	6
26 BREADALBANE API TORONTO	31104	81	630200.	4835600.	17	15
SHERBOURNE/WILTON ST TORONTO	31105	77	631700.	4833800.	17	5

JUNCTION TRIANGLE, PERTH AV TORONTO	31120	81	624800.	4834400.	17	9
26 BREADALBANE TORONTO	31123	83	630200.	4835600.	17	15
60 BATHURST ST TORONTO	31181	83	628800.	4833200.	17	6
30 INDUSTRIAL ST (K. M SMITH) EAST YORK	32008	85	632300.	4840500.	17	6
LAWRENCE/KENNEDY SCARB	33003	70	638900.	4845100.	17	4

MET BRANCH, SCARB BLUFFS SCARB	33019	69	642200.	4841100.	17	1
CTR 770 DON MILLS RD NORTH YORK	34002	70	633800.	4841400.	17	17
ELMCREST RD ETOBICOKE	35003	69	613600.	4833800.	17	4
QUEENSWAY HOSPITAL ETOBICOKE	35005	69	615900.	4829300.	17	9
EVANS/ARNOLD AV ETOBICOKE	35033	69	619200.	4830200.	17	3

3050 LAKESHORE BLVD W ETOBICOKE	35037	74	620100.	4828500.	17	3
RADIATION LABS, RESOURCES RD TORONTO	35051	80	617200.	4840300.	17	11
HWY 2/NORTH SHORE BLVD E BURLINGTON	44008	79	597200.	4796400.	17	17
BRONTE RD/WOBURN CRES OAKVILLE	44015	80	603100.	4805900.	17	5
PICKERING FIRE HALL PICKERING	45001	70	655100.	4854800.	17	1

PUBLIC LIBRARY OSHAWA	45011	62	671400.	4862300.	17	7
RITSON RD/OLIVE AV OSHAWA	45025	79	672700.	4861800.	17	5
MISSISSAUGA PUBLIC LIBRARY MISSISSAUGA	46025	70	611500.	4825700.	17	9
BRAMALEA FIRE HALL BRAMALEA	46033	69	605300.	4839800.	17	3
2414 DIXIE RD MISSISSAUGA	46041	72	614700.	4828700.	17	5

2365 DIXIE RD MISSISSAUGA	46045	73	614800.	4828800.	17	5
2360 DIXIE RD MISSISSAUGA	46046	73	614700.	4828600.	17	12
QUEENSWAY W/HURONTARIO ST MISSISSAUGA	46110	78	612200.	4824900.	17	5
POST OFFICE, 17-25 PETER ST S ORILLIA	47019	77	625500.	4940600.	17	10
ARMOURY BLDG PARK/PARKSIDE ST BARRIE	47042	82	603800.	4915700.	17	12

TABLE A-4 (CONT.)

ONTARIO AIR MONITORING NETWORK AS OF 31-DEC-85, DAILY DATA

LOCATION	ID	YR	UTM-X	UTM-Y	ZONE	ELEV (M)
TRAILER/MTC YARD #9, HWY47 STOUFFVILLE	48002	80	639100.	4869400.	17	5
POST OFFICE BLDG BELLEVILLE	54013	69	309500.	4892600.	18	1
4 MONTREAL RD CORNWALL	56006	80	522300.	4984800.	18	9
MEMORIAL PK, BEDFORD/THIRD STS CORNWALL	56051	70	520800.	4984600.	18	4
PUMPING STATION L'ORIGINAL	56095	84	523900.	5051400.	18	3
51 SHUTER ST PORT HOPE	58027	75	717700.	4869400.	17	4
FILT PLT, MARSH ST PORT HOPE	58041	84	716700.	4868800.	17	1
CAN TIRE, QUEEN ST PORT HOPE	58042	84	717100.	4869500.	17	1
CITY HALL, 500 GEORGE ST PETERBOROUGH	59006	77	713700.	4909500.	17	18
WEATHER STN ATIKOKAN	62013	76	603000.	5400800.	15	1
CEMETERY COLONIZATION RD W FORT FRANCES	62032	76	469700.	5384100.	15	5
LEGION BLDG, 250 CHURCH ST FORT FRANCES	62035	83	470700.	5383900.	15	9
HOSP ARCHIBALD/ARTHUR STS THUNDER BAY	63005	70	333500.	5360800.	16	29
DAWSON CT ALGOMA ST N THUNDER BAY	63012	70	337200.	5368600.	16	9
HOSPITAL, 35 ALGOMA ST N THUNDER BAY	63022	69	335600.	5367200.	16	22
435 JAMES ST S THUNDER BAY	63040	75	330200.	5360700.	16	15
CAN-CAR BLDG, MONTREAL ST THUNDER BAY	63046	78	330000.	5358400.	16	3
TRANSIT MAINT BD, WILLIAM RD THUNDER BAY	63052	80	334500.	5364700.	16	9
CENTENNIAL DR (SEWAGE T PLT) LONGLAC	63070	83	534200.	5513400.	16	1
PUMPHOUSE, BONNEY ST S.S.MARIE	71042	75	701100.	5155500.	16	1
LAND RDG OFFICE, QUEEN ST S.S.MARIE	71049	75	704700.	5154300.	16	6
DENISON TOWNSITE ELLIOT LAKE	71053	77	376600.	5150400.	17	2
PORRIDGE LAKE SUBDIVISION ELLIOT LAKE	71062	83	375500.	5136500.	17	5
ST JOSEPHS HOSPITAL BLIND RIVER	71065	82	348800.	5116000.	17	12
FARWELL PUMPHOUSE S.S.MARIE	71066	83	702400.	5156100.	16	4
DUNLOP LAKE ELLIOT LAKE	71067	85	373100.	5148500.	17	2
MINISTRY OF HEALTH BLDG TIMMINS	72077	84	475500.	5368500.	17	5
OPP STN NORTH BAY	75010	79	619700.	5130500.	17	4
MOBIL MONITOR NE REGION	77000	84	0.	0.	17	0
ASH ST WATER TANK SUDBURY	77016	69	499400.	5148600.	17	3
19 LISGAR ST SUDBURY	77026	72	500600.	5148500.	17	14
POST OFFICE, SPRUCE/BARBER ST ESPANOLA	77029	77	440500.	5123500.	17	6
PUMP HOUSE, NICKEL ST COPPER CLIFF	77070	76	495000.	5146200.	17	5
POST OFFICE FALCONBRIDGE	77076	76	514400.	5157700.	17	5
POST OFFICE, SPRUCE/BARBER ST ESPANOLA	77129	82	440500.	5123500.	17	5

TABLE A-5 SULPHUR DIOXIDE (SO₂) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985		POLLUTANT - SULPHUR DIOXIDE		UNIT = PARTS/MILLION								RUN DATE MAR 27, 1987		
STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES		50	70	90	99	ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA		
			10	30						1HR	24HR	1HR	24HR	1YR
12007	WRIGHT/WATER ST WINDSOR	338	.000	.000	.001	.007	.018	.059	.009	0.18	0.04	0	0	0
12008	467 UNIVERSITY AV W WINDSOR	359	.000	.000	.000	.005	.016	.045	.007	0.10	0.03	0	0	0
12013	FILTRAT PLT,3665 WYANDOTTE ST E WINDSOR	322	.000	.000	.000	.002	.009	.025	.004	0.06	0.03	0	0	0
12016	COLLEGE/SOUTH ST WINDSOR	331	.000	.000	.000	.008	.020	.055	.009	0.13	0.05	0	0	0
12047	DORWIN PLAZA, DOUGALL AV WINDSOR	334	.000	.000	.000	.005	.014	.039	.007	0.10	0.05	0	0	0
12048	MALDEN RD (S LAURIER DR) WINDSOR	279	.000	.000	.000	.005	.011	.032	.006	0.09	0.03	0	0	0
14004	CON RD 14 (E OF RWY TRACK) COURTRIGHT	90	.000	.000	.000	.000	.008	.030	.004	0.10	0.02	0	0	INS
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	335	.000	.000	.000	.000	.008	.049	.004	0.22	0.04	0	0	0
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	331	.000	.000	.000	.007	.023	.093	.011	0.19	0.07	0	0	0
14164	CENTENNIAL PK BKUP SARNIA	355	.000	.000	.000	.005	.023	.105	.011	0.18	0.08	0	0	0
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	340	.000	.000	.000	.000	.005	.017	.002	0.13	0.02	0	0	0
18007	CONCESSION RD 2 LOT A TIVERTON	330	.000	.000	.000	.000	.005	.014	.002	0.06	0.02	0	0	0
22071	EXPERIMENTAL FARM SIMCOE	327	.000	.000	.000	.002	.011	.026	.005	0.10	0.03	0	0	0
22086	CHEAPSIDE RD(3 KM S OF HWY 3) NANTICOKE	356	.000	.000	.000	.000	.005	.030	.003	0.19	0.03	0	0	0
22091	TOWNLIN RD/CON 13 TOWNSEND	351	.000	.000	.000	.000	.007	.029	.003	0.19	0.03	0	0	0

TABLE A-5 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH														
YEAR - 1985		POLLUTANT - SULPHUR DIOXIDE							UNIT = PARTS/MILLION			RUN DATE MAR 27, 1987		
STATION NUMBER	LOCATION	NO. OF DAYS	10	30	PERCENTILES				ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA		
					50	70	90	99		1HR	24HR	1HR	24HR	1YR
22901	PROVINCIAL PARK LONG POINT	354	.000	.000	.000	.000	.001	.019	.002	0.12	0.02	0	0	0
22907	RAINHAM RD (NEAR STELCO GATE) NANTICOKE	322	.000	.000	.000	.000	.004	.025	.002	0.09	0.02	0	0	0
26029	EDNA/FREDERICK STS KITCHENER	339	.000	.000	.000	.000	.006	.019	.002	0.11	0.03	0	0	0
27037	NORTH/GENEVA ST ST CATHARINES	354	.000	.000	.000	.004	.011	.036	.006	0.09	0.04	0	0	0
27042	NIAGARA FALLS RD/ONTARIO ST THOROLD	345	.000	.000	.000	.000	.010	.086	.005	1.39	0.13	14	1	0
27048	NIAGARA PUB WORKS,DOMINION RD FORT ERIE	208	.000	.000	.000	.000	.008	.020	.004	0.09	0.03	0	0	INS
27051	HOLY T CHURCH, NORTON/PORTAGE CHIPPAWA	365	.000	.000	.000	.003	.010	.028	.005	0.09	0.03	0	0	0
27052	185 QUEEN ST S THOROLD	357	.000	.000	.000	.002	.040	.235	.017	0.58	0.28	69	6	0
27055	STP GROUNDS, STANLEY AV NIAGARA FALLS	359	.000	.000	.000	.004	.015	.039	.006	0.11	0.03	0	0	0
27056	ALLENDAL E AV NIAGARA FALLS	357	.000	.000	.000	.000	.006	.026	.003	0.07	0.03	0	0	0
27137	NORTH/GENEVA ST API BKUP ST CATHARINES	313	.000	.000	.000	.005	.010	.028	.006	0.07	0.03	0	0	0
27156	ALLENDAL E AV API BKUP NIAGARA FALLS	212	.000	.000	.000	.004	.009	.028	.005	0.07	0.03	0	0	INS
28025	FARQUHAR/WYNDHAM ST GUELPH	328	.000	.000	.000	.000	.007	.019	.003	0.13	0.03	0	0	0
29025	BARTON/WENTWORTH HAMILTON	352	.000	.000	.001	.007	.019	.056	.009	0.11	0.06	0	0	0
29102	467 BEACH BLVD HAMILTON	342	.000	.000	.000	.009	.027	.068	.011	0.12	0.06	0	0	0

TABLE A-5 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH														
YEAR - 1985		POLLUTANT - SULPHUR DIOXIDE							UNIT = PARTS/MILLION			RUN DATE MAR 27, 1987		
STATION NUMBER	LOCATION	NO. OF DAYS	10	30	PERCENTILES				ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA		
					50	70	90	99		1HR	24HR	1HR	24HR	1YR

29105	NASH RD/KENTLEY DR HAMILTON	327	.000	.000	.000	.001	.008	.025	.004	0.16	0.02	0	0	0
29114	VICKERS RD/EAST 18TH ST HAMILTON	54	.000	.000	.002	.007	.014	.035	.008	0.08	0.03	0	0	INS
29118	MAIN ST W/HWY 403 HAMILTON	177	.000	.000	.000	.004	.010	.027	.005	0.06	0.03	0	0	INS
29125	BARTON/WENTWORTH API BKUP HAMILTON	341	.000	.000	.000	.006	.018	.055	.008	0.12	0.06	0	0	0
31103	26 BREADALBANE BKUP TORONTO	355	.000	.000	.000	.000	.010	.040	.005	0.13	0.03	0	0	0
31104	26 BREADALBANE TORONTO	355	.000	.000	.000	.000	.009	.038	.004	0.14	0.03	0	0	0
31105	SHERBOURNE/WILTON STS TORONTO	355	.000	.000	.000	.000	.008	.029	.003	0.08	0.05	0	0	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	354	.000	.000	.000	.002	.010	.035	.005	0.11	0.04	0	0	0
31190	CN TOWER, 301 FRONT ST W TORONTO	152	.000	.000	.000	.004	.011	.040	.007	0.47	0.09	7	0	INS
33003	LAWRENCE/KENNEDY SCARBORO	356	.000	.000	.000	.000	.007	.025	.003	0.07	0.03	0	0	0
33019	REDLAND CR (SCARB BLUFFS) SCARBORO	338	.000	.000	.000	.000	.002	.012	.001	0.05	0.02	0	0	0
34002	SC CTR, 770 DON MILLS RD NORTH YORK	349	.000	.000	.003	.007	.013	.033	.008	0.11	0.03	0	0	0
34007	STADACONA/HWY 401 NORTH YORK	142	.000	.000	.000	.002	.011	.039	.005	0.10	0.04	0	0	INS
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	324	.000	.000	.001	.006	.010	.032	.007	0.36	0.04	1	0	0
35005	QUEENSWAY HOSPITAL ETOBICOKE	309	.000	.000	.000	.003	.009	.028	.005	0.09	0.03	0	0	0

TABLE A-5 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH														
YEAR - 1985		POLLUTANT - SULPHUR DIOXIDE							UNIT = PARTS/MILLION			RUN DATE MAR 27, 1987		
STATION NUMBER	LOCATION	NO. OF DAYS	10	30	PERCENTILES			99	ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA		
					50	70	90			1HR	24HR	1HR	24HR	1YR
35033	EVANS/ARNOLD AV ETOBICOKE	339	.000	.000	.000	.000	.008	.024	.004	0.09	0.03	0	0	0
35050	125 RESOURCES RD (MOE LAB) ETOBICOKE	311	.000	.000	.000	.003	.009	.026	.005	0.19	0.03	0	0	0
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	359	.000	.000	.000	.000	.008	.023	.004	0.11	0.03	0	0	0
44015	BRONTE RD/WOBURN CRES OAKVILLE	348	.000	.000	.000	.003	.015	.064	.007	0.52	0.08	1	0	0
45025	PS, RITSON RD/OLIVE AV OSHAWA	343	.000	.000	.000	.000	.007	.026	.003	0.08	0.03	0	0	0
46100	PUB SCHOOL, GREEN GLADE RD MISSISSAUGA	355	.000	.000	.000	.001	.009	.029	.004	0.10	0.06	0	0	0
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	332	.000	.000	.000	.005	.009	.029	.006	0.20	0.06	0	0	0
47042	ARMOURY BLDG, PARK/PARKSIDE ST BARRIE	260	.000	.000	.000	.000	.006	.019	.003	0.06	0.03	0	0	0
48002	HWY47/E OF HWY48 STOUFFVILLE	226	.000	.000	.000	.001	.008	.021	.004	0.06	0.02	0	0	INS
49010	HWY 117/PAINT LAKE RD DORSET	363	.000	.000	.000	.000	.000	.015	.001	0.16	0.03	0	0	0
51001	MCD GDS, RIDEAU/WURTENBURG ST OTTAWA	359	.000	.000	.000	.000	.002	.022	.002	0.08	0.02	0	0	0
56051	MEMORIAL PK, BEDFORD/THIRD STS CORNWALL	352	.000	.000	.000	.007	.022	.058	.009	0.19	0.05	0	0	0
59006	CITY HALL, 500 GEORGE ST PETERBORO	365	.000	.000	.000	.000	.004	.016	.002	0.08	0.02	0	0	0
61014	SEWAGE TREATMENT PLT BALMERTOWN	341	.000	.000	.000	.000	.000	.306	.010	0.75	0.12	114	3	0
61030	112 FOURTH ST N KENORA	233	.000	.000	.000	.000	.000	.016	.001	0.15	0.02	0	0	IN

TABLE A-5 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH														
YEAR - 1985		POLLUTANT - SULPHUR DIOXIDE							UNIT = PARTS/MILLION			RUN DATE MAR 27, 1987		
STATION NUMBER	LOCATION	NO. OF DAYS	10	30	PERCENTILES				ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA		
					50	70	90	99		1HR	24HR	1HR	24HR	1YR
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	308	.000	.000	.000	.000	.000	.003	.000	0.01	0.00	0	0	0
63034	PENINSULA BLDG MARATHON	271	.000	.000	.000	.000	.000	.016	.001	0.11	0.02	0	0	0
63040	435 JAMES ST S THUNDER BAY	350	.000	.000	.000	.000	.000	.004	.000	0.04	0.01	0	0	0
63100	HAWKEYE LAKE	325	.000	.000	.000	.000	.000	.000	.000	0.01	0.00	0	0	0
71057	38 MICHIPICOTEN AV MICHIPICOTEN HARBOUR	320	.000	.000	.000	.000	.005	.119	.005	0.95	0.12	24	1	0
71066	FARWELL PUMPHOUSE SAULT STE MARIE	338	.000	.000	.000	.002	.009	.040	.005	0.12	0.04	0	0	0
75010	OPP STN NORTH BAY	328	.000	.000	.000	.000	.005	.021	.002	0.07	0.02	0	0	0
77000	NE REGION MOBILE MONITOR	109	.000	.000	.000	.000	.014	.107	.008	0.47	0.05	7	0	INS
77009	BURWASH	327	.000	.000	.000	.000	.008	.085	.005	0.29	0.06	2	0	0
77010	CALLUM	342	.000	.000	.000	.000	.007	.068	.004	0.29	0.04	2	0	0
77012	SKEAD	362	.000	.000	.000	.000	.017	.173	.010	0.81	0.09	36	0	0
77013	HANMER	358	.000	.000	.000	.000	.015	.101	.008	0.78	0.07	18	0	0
77014	RAYSIDE	160	.000	.000	.000	.000	.007	.071	.004	0.30	0.04	3	0	INS
77016	WATER TANK, ASH ST SUDBURY	362	.000	.000	.000	.003	.019	.145	.010	0.64	0.10	29	0	0
77028	GOVERNMENT RD/EDWARD ST CONISTON	361	.000	.000	.000	.000	.013	.116	.007	0.59	0.08	12	0	0

TABLE A-5 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH														
YEAR - 1985		POLLUTANT - SULPHUR DIOXIDE							UNIT = PARTS/MILLION			RUN DATE MAR 27, 1987		
STATION NUMBER	LOCATION	NO. OF DAYS	10	30	PERCENTILES			99	ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA		
					50	70	90			1HR	24HR	1HR	24HR	1YR
77065	FALCONBRIDGE RD GARSON	358	.000	.000	.000	.000	.016	.133	.009	0.47	0.08	11	0	0
77066	BEAR ISLAND LAKE TEMAGAMI	164	.000	.000	.000	.000	.007	.040	.003	0.21	0.02	0	0	INS
77075	KENNEDY ST NEW SUDBURY	363	.000	.000	.000	.000	.019	.160	.010	0.66	0.10	26	0	0
77096	LONG LAKE RD (VILLA LOYOLA) SUDBURY	327	.000	.000	.000	.000	.011	.110	.007	0.65	0.10	26	0	0
77201	MIKKOLA (J HAMILTON SCHOOL) WALDEN	350	.000	.000	.000	.000	.008	.133	.007	0.80	0.13	29	2	0
77202	HIGH FALLS	173	.000	.000	.000	.000	.006	.048	.003	0.38	0.03	3	0	INS
77203	SCIENCE NORTH SUDBURY	314	.000	.000	.000	.000	.015	.139	.009	0.92	0.19	36	1	0
77206	ST LAURENT/REGIONAL RD RAYSIDE	145	.000	.000	.000	.000	.008	.058	.005	0.39	0.07	2	0	INS

TABLE A-6 10-YEAR TREND FOR SO₂10-YEAR TREND FOR SO₂

City	Annual Mean (ppm)									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
BURLINGTON	.010	.011	.011	.008	.005	.007	.005	.005	.005	.004
CORNWALL	.022	.017	.017	.013	.012	.010	.010	.008	.009	.009
ETOBICOKE	.012	.011	.010	.010	.008	.008	.006	.006	.007	.010
HAMILTON	.021	.023	.016	.017	.013	.010	.014	.014	.015	.009
KITCHENER	.010	.007	.005	.006	.005	.003	.003	.002	.003	.002
LONDON	.014	.010	.009	.007	.005	.009	.004	.003	.004	.002
NIAGARA FALLS	.011	.008	.008	.011	.007	.004	.003	.003	.004	.003
NORTH BAY	.010	.006	.004	.003	.004	.002	.003	.002	.003	.002
NORTH YORK	.013	.009	.008	.009	.010	.010	.012	.006	.009	.008
OAKVILLE	.010	.009	.009	.009	.007	.005	.007	.005	.007	.006
PETERBORO	.012	.004	.004	.003	.004	.003	.003	.002	.003	.002
SARNIA	.024	.023	.016	.017	.013	.014	.012	.010	.009	.011
SCARBORO	.014	.012	.006	.005	.008	.007	.004	.003	.004	.003
SIMCOE	.012	.011	.007	.009	.007	.004	.004	.003	.004	.005
ST CATHARINES	.011	.007	.007	.007	.004	.007	.005	.005	.005	.006
SUDBURY	.019	.015	.012	.012	.016	.010	.010	.009	.010	.010
TORONTO	.015	.014	.011	.008	.007	.008	.006	.004	.006	.004
WINDSOR	.027	.022	.018	.013	.011	.012	.009	.008	.007	.007

TABLE A-7 SOILING INDEX (COH) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985

POLLUTANT - SOILING INDEX

UNIT = COHS/1000 FT

RUN DATE
MAR 27, 1987

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES						ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
			10	30	50	70	90	99		1HR	24HR	24HR	1YR
12008	467 UNIVERSITY AV W WINDSOR	359	0.01	0.19	0.29	0.44	0.75	1.43	0.41	3.5	1.1	3	0
12016	COLLEGE/SOUTH ST WINDSOR	359	0.07	0.19	0.28	0.42	0.74	1.44	0.40	3.0	1.2	2	0
12108	467 UNIV AV W BKUP WINDSOR	359	0.05	0.21	0.33	0.50	0.83	1.57	0.45	4.1	1.2	5	0
12116	COLLEGE/PRINCE BKUP WINDSOR	349	0.03	0.18	0.27	0.42	0.73	1.42	0.40	3.3	1.1	1	0
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	356	0.00	0.05	0.17	0.28	0.49	0.94	0.25	3.1	0.8	0	0
14164	CENTENNIAL PK BKUP SARNIA	357	0.00	0.04	0.16	0.26	0.46	0.84	0.23	2.7	0.6	0	0
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	357	0.00	0.10	0.20	0.33	0.59	1.25	0.30	4.0	1.2	1	0
15009	LONGWOODS CONSERVATION AUTHORITY	313	0.00	0.02	0.09	0.18	0.33	0.60	0.17	1.5	0.6	0	0
22071	EXPERIMENTAL FARM SIMCOE	273	0.00	0.00	0.11	0.19	0.34	0.59	0.16	1.2	0.6	0	0
27037	NORTH/GENEVA ST ST CATHARINES	338	0.00	0.09	0.18	0.28	0.49	0.98	0.26	3.9	0.8	0	0
27052	185 QUEEN ST S THOROLD	307	0.03	0.12	0.19	0.28	0.49	1.05	0.29	2.9	1.0	0	0
27055	STP GROUNDS, STANLEY AV NIAGARA FALLS	344	0.03	0.14	0.24	0.36	0.59	1.05	0.33	2.2	0.9	0	0
27056	ALLENDAL AV NIAGARA FALLS	360	0.00	0.01	0.14	0.22	0.38	0.76	0.20	4.6	0.8	0	0
27137	NORTH/GENEVA ST API BKUP ST CATHARINES	337	0.00	0.14	0.22	0.30	0.50	0.95	0.30	3.1	0.8	0	0
27156	ALLENDAL AV API BKUP NIAGARA FALLS	360	0.00	0.11	0.19	0.28	0.47	0.89	0.26	4.6	0.9	0	0

TABLE A-7 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH													
YEAR - 1985		POLLUTANT - SOILING INDEX								UNIT = COHS/1000 FT		RUN DATE MAR 27, 1987	
STATION NUMBER	LOCATION	NO. OF DAYS	10	PERCENTILES					ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
				30	50	70	90	99		1HR	24HR	24HR	1YR
29001	HUGHSON/HUNTER HAMILTON	294	0.10	0.23	0.35	0.49	0.86	1.66	0.48	2.8	1.6	6	0
29025	BARTON/WENTWORTH HAMILTON	357	0.07	0.25	0.39	0.58	0.98	1.85	0.52	4.0	1.6	10	1
29102	467 BEACH BLVD HAMILTON	348	0.00	0.11	0.27	0.50	0.82	1.47	0.39	2.9	1.2	3	0
29105	NASH RD/KENTLEY DR HAMILTON	292	0.04	0.13	0.22	0.34	0.59	1.23	0.33	2.5	1.0	0	0
29114	VICKERS RD/EAST 18TH ST HAMILTON	58	0.04	0.12	0.19	0.32	0.70	1.36	0.34	2.1	1.0	0	INS
29118	MAIN ST W/HWY 403 HAMILTON	137	0.05	0.16	0.27	0.44	0.82	1.64	0.42	2.7	1.1	3	INS
29125	BARTON/WENTWORTH API BKUP HAMILTON	357	0.11	0.25	0.39	0.59	0.98	1.89	0.53	4.0	1.7	15	1
31049	MISSION, 381 YONGE ST TORONTO	332	0.20	0.37	0.54	0.77	1.20	1.98	0.69	3.9	1.9	37	1
31103	26 BREADALBANE BKUP TORONTO	351	0.00	0.14	0.24	0.37	0.63	1.21	0.34	2.8	1.0	0	0
31104	26 BREADALBANE TORONTO	352	0.00	0.16	0.26	0.39	0.66	1.28	0.36	2.8	1.1	1	0
31105	SHERBOURNE/WILTON STS TORONTO	351	0.00	0.22	0.36	0.55	0.93	1.70	0.49	3.2	1.5	8	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	355	0.00	0.16	0.25	0.37	0.67	1.41	0.36	4.1	1.1	1	0
33003	LAWRENCE/KENNEDY SCARBORO	356	0.00	0.14	0.24	0.36	0.65	1.19	0.34	2.6	1.0	0	0
34007	STADACONA/HWY 401 NORTH YORK	142	0.00	0.18	0.41	0.69	1.21	2.03	0.56	3.4	1.7	13	INS
35033	EVANS/ARNOLD AV ETOBICOKE	357	0.00	0.20	0.33	0.52	0.92	1.72	0.47	3.6	1.4	7	0

TABLE A-7 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH														
YEAR - 1985		POLLUTANT - SOILING INDEX								UNIT = COHS/1000 FT			RUN DATE MAR 27, 1987	
STATION NUMBER	LOCATION	NO. OF DAYS	10	PERCENTILES				90	99	ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
				30	50	70					1HR	24HR	24HR	1YR
44015	BRONTE RD/WOBURN CRES OAKVILLE	350	0.00	0.08	0.20	0.32	0.61	1.28	0.30		2.8	1.3	2	0
45025	PS, RITSON RD/OLIVE AV OSHAWA	337	0.00	0.11	0.23	0.39	0.78	1.72	0.37		3.9	1.4	7	0
51001	MCD GDS, RIDEAU/WURTENBURG ST OTTAWA	326	0.00	0.00	0.00	0.16	0.32	0.79	0.14		1.7	0.7	0	0
56051	MEMORIAL PK, BEDFORD/THIRD STS CORNWALL	359	0.00	0.00	0.00	0.08	0.22	0.58	0.09		2.4	0.6	0	0
63040	435 JAMES ST S THUNDER BAY	341	0.00	0.00	0.00	0.05	0.31	1.45	0.13		3.3	1.5	5	0
71066	FARWELL PUMPHOUSE SAULT STE MARIE	314	0.00	0.09	0.21	0.40	0.88	2.19	0.40		4.5	2.2	10	0
77016	WATER TANK, ASH ST SUDBURY	358	0.00	0.00	0.00	0.15	0.29	0.87	0.13		2.3	0.9	0	0
77028	GOVERNMENT RD/EDWARD ST CONISTON	353	0.00	0.00	0.04	0.18	0.38	1.03	0.17		1.9	0.9	0	0
77075	KENNEDY ST NEW SUDBURY	358	0.00	0.00	0.04	0.17	0.35	1.24	0.17		2.9	0.9	0	0
77116	77016 BKUP SUDBURY	149	0.00	0.00	0.00	0.16	0.32	0.79	0.14		2.5	0.5	0	INS
77128	77028 BKUP CONISTON	147	0.00	0.00	0.01	0.18	0.37	0.87	0.16		1.5	0.6	0	INS
77175	77075 BKUP NEW SUDBURY	146	0.00	0.00	0.07	0.18	0.35	1.19	0.17		2.5	0.8	0	INS
77203	SCIENCE NORTH SUDBURY	256	0.00	0.01	0.07	0.16	0.39	1.13	0.19		2.9	1.2	1	0

TABLE A-8 10-YEAR TREND FOR COH

10-YEAR TREND FOR COH

Annual Mean (COH/1000 ft.)

City	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CORNWALL	.22	.19	.18	.20	.18	.10	.16	.18	.16	.09
ETOBICOKE	.49	.54	.44	.58	.42	.31	.49	.37	.52	.47
HAMILTON	.53	.54	.56	.63	.54	.58	.57	.44	.55	.52
LONDON	.26	.27	.32	.32	.33	.30	.32	.31	.29	.30
NORTH YORK	.62	.54	.51	.55	.48	.54	.60	.57	.62	.56
OTTAWA	.23	.20	.16	.23	.14	.18	.18	.18	.19	.14
SARNIA	.31	.26	.35	.30	.27	.28	.27	.27	.29	.25
SCARBORO	.38	.33	.41	.37	.35	.40	.37	.32	.36	.34
SUDBURY	.16	.10	.13	.12	.13	.12	.12	.12	.15	.13
TORONTO	.42	.40	.40	.39	.34	.45	.46	.41	.47	.36
WINDSOR	.47	.55	.51	.47	.42	.41	.43	.47	.46	.41

TABLE A-9 TOTAL REDUCED SULPHUR (TRS) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985		POLLUTANT - TOTAL REDUCED SULPHUR		UNIT = PARTS/BILLION						RUN DATE MAR 27, 1987		
STATION NUMBER	LOCATION	NO. OF DAYS	10	30	PERCENTILES				ARITH- METIC MEAN	MAXIMUM		NO OF TIMES ABOVE CRITERIA 1HR
					50	70	90	99		1HR	24HR	
12007	WRIGHT/WATER ST WINDSOR	315	0.0	0.0	0.0	1.5	5.3	17.9	2.0	81	17	30
12013	FILTRAT PLT,3665 WYANDOTTE ST E WINDSOR	323	0.0	0.0	0.0	1.4	3.8	8.9	1.4	19	9	0
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	350	0.0	0.0	0.0	0.0	0.6	5.4	0.4	28	6	1
18007	CONCESSION RD 2 LOT A TIVERTON	350	0.0	0.0	0.0	0.0	0.0	1.7	0.1	7	2	0
22086	CHEAPSIDE RD(3 KM S OF HWY 3) NANTICOKE	331	0.0	0.0	0.0	0.0	0.7	3.9	0.3	51	5	2
22904	WALPOLE S PS, SANDUSK RD NANTICOKE	329	0.0	0.0	0.0	0.0	0.4	2.0	0.2	20	2	0
22907	RAINHAM RD (NEAR STELCO GATE) NANTICOKE	345	0.0	0.0	0.0	0.5	2.9	10.1	1.1	54	8	6
27051	HOLY T CHURCH, NORTON/PORTAGE CHIPPAWA	264	0.0	0.0	0.0	1.4	6.0	20.6	2.1	57	15	33
27052	185 QUEEN ST S THOROLD	364	0.0	0.0	0.0	0.7	6.0	46.6	2.9	109	38	242
27055	STP GROUNDS, STANLEY AV NIAGARA FALLS	316	0.0	0.0	0.0	1.2	4.4	13.3	1.6	34	11	3
29025	BARTON/WENTWORTH HAMILTON	357	0.0	0.0	0.1	0.9	3.1	11.3	1.4	56	8	5
29102	467 BEACH BLVD HAMILTON	336	0.0	0.0	0.0	0.2	2.7	11.5	1.0	37	9	5
44015	BRONTE RD/WOBURN CRES OAKVILLE	326	0.0	0.0	1.0	2.6	5.6	11.9	2.4	37	19	8
56051	MEMORIAL PK, BEDFORD/THIRD STS CORNWALL	355	0.0	0.0	0.0	0.0	1.9	9.8	0.8	40	7	14
56068	SCHOOL, 435 SECOND ST W CORNWALL	153	0.0	0.0	0.0	1.4	6.2	21.7	2.2	74	12	20

TABLE A-9 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985

POLLUTANT - TOTAL REDUCED SULPHUR

UNIT = PARTS/BILLION

RUN DATE
MAR 27, 1987

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES		50	70	90	99	ARITH- METIC MEAN	MAXIMUM		NO OF TIMES ABOVE CRITERIA 1HR
			10	30						1HR	24HR	
56071	BERRYS FEED MILL SOUTH MOUNTAIN	347	0.0	0.0	0.0	0.0	4.5	19.9	1.6	51	21	35
61027	35 VAN HORNE AV DRYDEN	340	0.0	0.0	0.0	0.0	2.5	15.1	1.0	51	8	17
62032	CEMETERY, COLONIZATION RD W FORT FRANCES	363	0.0	0.0	0.0	0.0	2.7	17.2	1.1	61	13	28
62051	VICTORIA AV(BOISE CASCADE) FORT FRANCES	315	0.0	0.0	0.0	1.2	10.1	46.1	3.6	166	48	218
62052	262 CHURCH ST FORT FRANCES	363	0.0	0.0	0.0	0.0	5.0	27.2	2.0	191	50	87
63034	PENINSULA BLDG MARATHON	343	0.0	0.0	0.0	0.0	3.0	21.7	1.3	83	25	52
63046	CAN-CAR BLDG, MONTREAL ST THUNDER BAY	282	0.0	0.0	0.0	0.0	2.4	8.1	0.8	27	4	0
63084	RECREATION CENTRE RED ROCK	363	0.0	0.0	0.0	0.0	5.1	29.7	1.9	104	34	104
63090	ST MARTIN SCHOOL TERRACE BAY	365	0.0	0.0	0.0	0.0	2.9	22.5	1.4	200	62	60
77029	POST OFFICE, SPRUCE/BARBER ST ESPANOLA	292	0.0	0.0	0.0	0.7	3.0	10.5	1.2	28	11	3
77203	SCIENCE NORTH SUDBURY	301	0.0	0.0	0.1	0.6	1.4	2.7	0.7	5	4	0

TABLE A-10 10-YEAR TREND FOR TRS

10-YEAR TREND FOR TRS

City	Annual Mean (ppb)									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CORNWALL	1.7	2.4	3.0	3.1	2.8	1.8	2.0	3.4	1.5	.8
FORT FRANCES	2.5	3.3	2.5	2.9	3.3	3.1	2.1	2.8	1.9	1.1
HAMILTON	1.0	1.3	1.6	2.4	.9	1.3	1.2	1.4	1.8	1.4
THUNDER BAY	1.0	1.5	1.9	2.6	2.9	2.8	1.0	.5	.6	.8

TABLE A-11 CARBON MONOXIDE (CO) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985		POLLUTANT - CARBON MONOXIDE		UNIT = PARTS/MILLION								RUN DATE MAR 27, 1987	
STATION NUMBER	LOCATION	NO. OF DAYS	10	PERCENTILES			90	99	ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
				30	50	70				1HR	8HR	1HR	8HR
12008	467 UNIVERSITY AV W WINDSOR	347	0.0	0.0	0.0	0.2	0.9	2.7	0.5	11	4	0	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS SARNIA	332	0.0	0.0	0.0	0.0	0.1	2.5	0.2	10	4	0	0
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	345	0.0	0.0	0.0	0.0	0.6	2.5	0.3	11	7	0	0
26029	EDNA/FREDERICK STS KITCHENER	360	0.0	0.0	0.2	0.7	1.4	3.4	0.8	9	5	0	0
27037	NORTH/GENEVA ST ST CATHARINES	322	0.0	0.0	0.0	0.0	0.5	1.8	0.2	15	4	0	0
29025	BARTON/WENTWORTH HAMILTON	353	0.0	0.3	0.6	0.9	1.7	3.7	1.2	10	5	0	0
29102	467 BEACH BLVD HAMILTON	346	0.0	0.0	0.0	0.0	0.7	1.9	0.3	7	3	0	0
31049	MISSION, 381 YONGE ST TORONTO	341	0.9	1.6	2.4	3.6	6.0	17.1	3.7	35	22	2	14
31104	26 BREADALBANE TORONTO	311	0.0	0.2	0.6	0.9	1.7	3.2	1.1	13	4	0	0
31105	SHERBOURNE/WILTON STS TORONTO	359	0.0	0.2	0.5	0.8	1.5	3.0	1.1	9	4	0	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	298	0.0	0.1	0.4	0.7	1.4	3.1	0.9	12	5	0	0
31190	CN TOWER, 301 FRONT ST W TORONTO	180	0.0	0.0	0.3	0.6	0.9	1.0	0.7	3	2	0	0
33003	LAWRENCE/KENNEDY SCARBORO	358	0.0	0.3	0.6	1.0	1.9	3.8	1.3	11	5	0	0
34002	SC CTR, 770 DON MILLS RD NORTH YORK	294	0.1	0.4	0.7	1.2	1.9	3.5	1.4	7	5	0	0
34007	STADACONA/HWY 401 NORTH YORK	143	0.0	0.0	0.5	0.9	2.0	3.9	1.1	9	6	0	0

TABLE A-11 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985		POLLUTANT - CARBON MONOXIDE						UNIT = PARTS/MILLION					RUN DATE MAR 27, 1987	
STATION NUMBER	LOCATION	NO. OF DAYS	10	PERCENTILES			90	99	ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA		
				30	50	70				1HR	8HR	1HR	8HR	
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	324	0.0	0.4	0.7	1.0	1.8	3.4	1.3	7	5	0	0	
35033	EVANS/ARNOLD AV ETOBICOKE	357	0.0	0.1	0.5	0.8	1.6	3.4	1.0	9	5	0	0	
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	359	0.0	0.3	0.6	0.8	1.5	2.7	1.1	7	4	0	0	
44015	BRONTE RD/WOBURN CRES OAKVILLE	353	0.0	0.1	0.4	0.7	1.4	4.2	1.0	9	6	0	0	
45025	PS, RITSON RD/OLIVE AV OSHAWA	324	0.0	0.2	0.5	0.8	1.5	3.3	1.0	10	4	0	0	
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	323	0.2	0.7	1.2	1.7	2.7	5.6	1.9	13	8	0	0	
51001	MCD GDS, RIDEAU/WURTENBURG ST OTTAWA	326	0.0	0.0	0.0	0.2	1.7	4.3	0.6	9	6	0	0	
56051	MEMORIAL PK, BEDFORD/THIRD STS CORNWALL	356	0.0	0.0	0.0	0.0	0.4	1.9	0.2	11	6	0	0	
71066	FARWELL PUMPHOUSE SAULT STE MARIE	312	0.0	0.0	0.0	0.3	1.1	3.9	0.6	14	6	0	0	
77016	WATER TANK, ASH ST SUDBURY	348	0.0	0.0	0.0	0.0	0.0	1.9	0.1	8	6	0	0	
77203	SCIENCE NORTH SUDBURY	305	0.0	0.0	0.0	0.2	0.8	1.6	0.4	12	3	0	0	

TABLE A-12 10-YEAR TREND FOR CO

10-YEAR TREND FOR CO

City	Annual Mean (ppm)									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CORNWALL	.7	.7	.5	.9	1.1	1.1	1.0	.2	.2	.2
ETOBICOKE	1.0	1.3	1.6	1.3	1.1	1.0	1.1	1.6	1.4	1.3
HAMILTON	1.4	1.4	1.2	1.5	.9	1.2	1.1	.9	.8	1.2
KITCHENER	1.3	1.3	1.4	1.0	1.1	1.1	1.0	1.0	.9	.8
LONDON	1.7	1.1	.9	.4	.3	.4	.3	.3	.4	.3
NORTH YORK	1.5	1.4	1.9	1.6	1.4	1.7	2.3		1.3	1.4
OTTAWA	.9	.9	.5	1.0	1.2	1.3	.9	.2	.3	.6
SARNIA	1.3	1.8	.4	.3	.3	.2	.2	.1	.1	.1
SCARBORO	2.4	1.8	2.0	1.5	1.5	1.4	1.6	1.2	1.4	1.3
ST CATHARINES	1.7	1.5	.9	.9	.6	1.0	.4	.4	.4	.2
SUDBURY	1.0	.8	.3	.2	.1	.1	.1	.1	.1	.1
TORONTO	1.0	1.6	1.8	1.5	—	1.3	1.5	1.1	1.0	1.1
WINDSOR	4.1	2.2	2.2	2.0	1.7	1.1	.5	.8	.5	.5

TABLE A-13 TOTAL HYDROCARBON (THC) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985

POLLUTANT - TOTAL HYDROCARBONS

UNIT = PARTS/MILLION

RUN DATE
MAR 27, 1987

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES						ARITH- METIC MEAN	MAXIMUM	
			10	30	50	70	90	99		1HR	24HR
12008	467 UNIVERSITY AV W WINDSOR	348	1.77	1.88	1.97	2.08	2.36	3.24	2.08	7.0	2.8
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	334	1.13	1.64	1.86	2.09	2.51	3.87	1.93	11.8	4.0
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	353	2.14	2.44	2.67	2.97	3.62	5.09	2.85	8.9	4.6
31104	26 BREADALBANE TORONTO	221	1.27	1.49	1.64	1.83	2.21	3.13	1.76	5.6	3.2
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	251	1.65	1.83	1.98	2.16	2.65	4.15	2.14	7.9	3.7
33003	LAWRENCE/KENNEDY SCARBORO	347	1.72	2.04	2.28	2.53	3.01	4.20	2.39	9.2	4.0
34002	SC CTR, 770 DON MILLS RD NORTH YORK	306	1.63	1.88	2.07	2.28	2.68	3.79	2.18	7.7	3.8
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	299	1.84	2.03	2.17	2.40	2.99	4.94	2.39	15.4	4.3
35033	EVANS/ARNOLD AV ETOBICOKE	346	1.53	1.78	1.97	2.19	2.67	4.01	2.10	7.3	3.9
44015	BRONTE RD/WOBURN CRES OAKVILLE	323	1.49	1.64	1.79	2.02	2.45	3.87	1.97	10.6	3.0

TABLE A-14 10-YEAR TREND FOR THC

10-YEAR TREND FOR THC

City	Annual Mean (ppm)									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
ETOBICOKE	2.07	2.17	2.56	2.29	2.17	2.19	2.28	2.58	2.23	2.39
LONDON	2.39	2.22	2.43	2.30	2.41	2.36	2.48	2.57	2.89	2.85
NORTH YORK	1.86	2.53	2.03	1.67	1.48	1.68	2.11	2.31	2.19	2.16
SARNIA	2.32	2.64	2.64	1.99	1.86	2.09	2.12	2.02	2.04	2.05
SCARBORO	1.67	2.03	1.87	1.64	1.54	2.00	1.83	1.90	2.08	2.44
TORONTO	2.38	1.60	1.48	1.32	1.43	1.71	1.66	1.37	1.89	1.69
WINDSOR	2.57	2.35	2.27	1.86	2.22	2.18	2.12	2.09	2.29	2.08

TABLE A-15 REACTIVE HYDROCARBON (RHC) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 27, 1987

YEAR - 1985

POLLUTANT - REACTIVE HYDROCARBONS

UNIT = PARTS/MILLION

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES		50	70	90	99	ARITH- METIC MEAN	MAXIMUM	
			10	30						1HR	24HR
12008	467 UNIVERSITY AV W WINDSOR	332	0.12	0.17	0.22	0.27	0.38	0.78	0.29	2.1	0.6
22071	EXPERIMENTAL FARM SIMCOE	315	0.11	0.13	0.16	0.18	0.24	0.33	0.22	0.8	0.4
22086	CHEAPSIDE RD(3 KM S OF HWY 3) NANTICOKE	302	0.00	0.00	0.00	0.05	0.17	0.39	0.07	1.5	0.4
22904	WALPOLE S PS, SANDUSK RD NANTICOKE	341	0.00	0.00	0.00	0.02	0.20	0.39	0.06	3.0	0.4
27037	NORTH/GENEVA ST ST CATHARINES	261	0.01	0.07	0.12	0.18	0.29	0.70	0.20	5.8	0.7
29025	BARTON/WENTWORTH HAMILTON	339	0.01	0.04	0.07	0.11	0.23	0.63	0.15	4.1	0.5
29102	467 BEACH BLVD HAMILTON	264	0.01	0.06	0.11	0.19	0.35	0.50	0.19	1.8	0.5

TABLE A-16 NITROGEN DIOXIDE (NO₂) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985		POLLUTANT - NITROGEN DIOXIDE		UNIT = PARTS/MILLION								RUN DATE MAR 27, 1987	
STATION NUMBER	LOCATION	NO. OF DAYS	10	30	PERCENTILES				ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
					50	70	90	99		1HR	24HR	1HR	24HR
12008	467 UNIVERSITY AV W WINDSOR	357	.004	.013	.019	.027	.040	.062	.026	.10	.06	0	0
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	350	.000	.005	.012	.020	.035	.056	.019	.13	.06	0	0
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	359	.004	.012	.018	.026	.037	.057	.025	.09	.06	0	0
22071	EXPERIMENTAL FARM SIMCOE	353	.000	.000	.000	.004	.011	.027	.006	.08	.03	0	0
22086	CHEAPSIDE RD(3 KM S OF HWY 3) NANTICOKE	347	.000	.000	.000	.000	.008	.019	.003	.05	.03	0	0
22901	PROVINCIAL PARK LONG POINT	342	.000	.000	.000	.001	.009	.025	.004	.06	.03	0	0
26029	EDNA/FREDERICK STS KITCHENER	365	.006	.016	.024	.031	.043	.060	.029	.10	.06	0	0
27037	NORTH/GENEVA ST ST CATHARINES	348	.000	.005	.011	.017	.027	.042	.017	.08	.04	0	0
29025	BARTON/WENTWORTH HAMILTON	353	.003	.012	.019	.026	.037	.057	.025	.11	.06	0	0
29102	467 BEACH BLVD HAMILTON	343	.000	.008	.019	.027	.038	.056	.023	.08	.06	0	0
29118	MAIN ST W/HWY 403 HAMILTON	170	.002	.007	.012	.018	.027	.047	.019	.08	.04	0	0
31049	MISSION, 381 YONGE ST TORONTO	356	.015	.025	.033	.041	.055	.079	.039	.11	.08	0	0
31104	26 BREADALBANE TORONTO	355	.004	.012	.019	.027	.039	.059	.026	.09	.06	0	0
31105	SHERBOURNE/WILTON STS TORONTO	356	.002	.009	.015	.022	.037	.074	.023	.15	.09	0	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	353	.006	.017	.025	.034	.049	.075	.032	.11	.07	0	0

TABLE A-16 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH													
YEAR - 1985		POLLUTANT - NITROGEN DIOXIDE								UNIT = PARTS/MILLION			
												RUN DATE	
												MAR 27, 1987	
STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES					99	ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
			10	30	50	70	90			1HR	24HR	1HR	24HR
31190	CN TOWER, 301 FRONT ST W TORONTO	112	.000	.000	.002	.006	.012	.028	.008	.07	.02	0	0
33003	LAWRENCE/KENNEDY SCARBORO	348	.000	.004	.012	.019	.033	.055	.018	.12	.06	0	0
34002	SC CTR, 770 DON MILLS RD NORTH YORK	361	.005	.013	.019	.027	.039	.064	.027	.11	.07	0	0
34007	STADACONA/HWY 401 NORTH YORK	143	.006	.021	.033	.043	.060	.089	.038	.13	.10	0	0
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	342	.004	.012	.019	.027	.040	.066	.026	.13	.07	0	0
35033	EVANS/ARNOLD AV ETOBICOKE	359	.011	.020	.026	.033	.045	.069	.032	.14	.11	0	1
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	345	.004	.012	.018	.026	.038	.058	.025	.09	.06	0	0
44015	BRONTE RD/WOBURN CRES OAKVILLE	344	.000	.003	.009	.017	.029	.050	.016	.09	.05	0	0
45025	PS, RITSON RD/OLIVE AV OSHAWA	342	.000	.006	.013	.022	.036	.060	.020	.12	.07	0	0
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	357	.006	.014	.020	.026	.037	.054	.026	.09	.06	0	0
48002	HWY47/E OF HWY48 STOUFFVILLE	275	.000	.002	.006	.009	.021	.046	.012	.07	.05	0	0
49010	HWY 117/PAINT LAKE RD DORSET	56	.000	.000	.001	.005	.009	.019	.006	.10	.02	0	0
51001	MCD GDS, RIDEAU/WURTENBURG ST OTTAWA	356	.000	.000	.005	.012	.026	.045	.012	.09	.04	0	0
56051	MEMORIAL PK, BEDFORD/THIRD STS CORNWALL	350	.000	.000	.004	.008	.019	.045	.010	.10	.05	0	0
63100	HAWKEYE LAKE	206	.000	.000	.000	.000	.000	.000	.000	.01	.00	0	0

TABLE A-16 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH													
YEAR - 1985		POLLUTANT - NITROGEN DIOXIDE							UNIT = PARTS/MILLION			RUN DATE MAR 27, 1987	
STATION NUMBER	LOCATION	NO. OF DAYS	10	30	PERCENTILES				ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
					50	70	90	99		1HR	24HR	1HR	24HR
<hr/>													
71066	FARWELL PUMPHOUSE SAULT STE MARIE	207	.000	.001	.008	.016	.028	.049	.015	.13	.05	0	0
77016	WATER TANK, ASH ST SUDBURY	59	.000	.000	.000	.006	.015	.028	.007	.06	.02	0	0
77203	SCIENCE NORTH SUDBURY	288	.000	.000	.004	.008	.018	.039	.010	.09	.04	0	0

TABLE A-17 10-YEAR TREND FOR NO₂10-YEAR TREND FOR NO₂

City	Annual Mean (ppm)									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CORNWALL	.017	.017	.012	.011	.011	.011	.010	.011	.011	.010
ETOBICOKE	.022	.022	.025	.022	.018	.022	.021	.021	.024	.026
HAMILTON	.040	.056	.046	.029	.027	.029	.031	.029	.029	.025
KITCHENER	.028	.035	.032	.030	.026	.026	.028	.025	.027	.029
LONDON	.028	.028	.031	.030	.020	.017	.021	.021	.024	.025
NORTH YORK	.027	.023	.026	.023	.020	.014	.022	.023	.026	.027
OAKVILLE	.015	.020	.020	.022	.023	.020	.018	.016	.018	.016
OTTAWA	.020	.020	.018	.012	.017	.016	.015	.014	.014	.012
SARNIA	.027	.027	.031	.019	.022	.018	.022	.020	.023	.019
SCARBORO	.024	.040	.031	.027	.030	.025	.025	.019	.018	.018
SIMCOE	.010	.012	.014	.010	.012	.014	.010	.009	.009	.006
ST CATHARINES	.024	.024	.022	.026	.020	.022	.019	.020	.018	.017
SUDBURY	.008	.013	.012	.006	.006	.007	.006	.006	.006	.007
TORONTO	.032	.032	.032	.029	.028	.025	.027	.025	.027	.026
WINDSOR	.034	.033	.040	.033	.031	.030	.029	.026	.027	.026

TABLE A-18 NITRIC OXIDE (NO) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 27, 1987

YEAR - 1985

POLLUTANT - NITRIC OXIDE

UNIT = PARTS/MILLION

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES		50	70	90	99	ARITH- METIC MEAN	MAXIMUM	
			10	30						1HR	24HR
12008	467 UNIVERSITY AV W WINDSOR	355	.000	.000	.004	.009	.032	.124	.015	0.33	0.10
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	357	.000	.000	.000	.002	.014	.065	.007	0.29	0.06
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	352	.000	.000	.000	.008	.034	.115	.013	0.55	0.12
22071	EXPERIMENTAL FARM SIMCOE	170	.000	.000	.000	.000	.008	.018	.004	0.12	0.02
22086	CHEAPSIDE RD(3 KM S OF HWY 3) NANTICOKE	347	.000	.000	.000	.000	.000	.013	.001	0.08	0.02
22901	PROVINCIAL PARK LONG POINT	336	.000	.000	.000	.000	.000	.005	.000	0.08	0.01
26029	EDNA/FREDERICK STS KITCHENER	365	.000	.002	.009	.036	.134	.355	.047	0.82	0.27
27037	NORTH/GENEVA ST ST CATHARINES	346	.000	.000	.000	.005	.019	.095	.009	0.50	0.09
29025	BARTON/WENTWORTH HAMILTON	365	.000	.000	.005	.013	.040	.153	.019	0.51	0.11
29102	467 BEACH BLVD HAMILTON	338	.000	.000	.001	.018	.050	.147	.020	0.51	0.09
29118	MAIN ST W/HWY 403 HAMILTON	170	.000	.000	.007	.024	.090	.272	.033	0.92	0.15
31049	MISSION, 381 YONGE ST TORONTO	351	.013	.033	.056	.096	.179	.343	.085	0.82	0.30
31104	26 BREADALBANE TORONTO	355	.000	.000	.005	.015	.043	.147	.019	0.29	0.14
31105	SHERBOURNE/WILTON STS TORONTO	358	.000	.009	.023	.044	.096	.228	.043	0.66	0.18
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	329	.000	.000	.006	.016	.051	.191	.022	0.75	0.16

TABLE A-18 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985

POLLUTANT - NITRIC OXIDE

UNIT = PARTS/MILLION

RUN DATE
MAR 27, 1987

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES						ARITH- METIC MEAN	MAXIMUM	
			10	30	50	70	90	99		1HR	24HR
31190	CN TOWER, 301 FRONT ST W TORONTO	120	.000	.000	.000	.000	.007	.029	.003	0.25	0.02
33003	LAWRENCE/KENNEDY SCARBORO	355	.000	.000	.011	.030	.077	.227	.032	0.60	0.17
34002	SC CTR, 770 DON MILLS RD NORTH YORK	358	.000	.004	.008	.017	.065	.222	.028	0.51	0.14
34007	STADACONA/HWY 401 NORTH YORK	143	.000	.000	.018	.087	.233	.425	.075	0.71	0.29
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	347	.000	.000	.006	.014	.061	.263	.027	0.94	0.17
35033	EVANS/ARNOLD AV ETOBICOKE	358	.000	.000	.016	.048	.118	.320	.046	0.71	0.21
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	342	.000	.003	.008	.018	.053	.215	.026	0.73	0.13
44015	BRONTE RD/WOBURN CRES OAKVILLE	342	.000	.000	.000	.008	.038	.179	.016	0.60	0.10
45025	PS, RITSON RD/OLIVE AV OSHAWA	338	.000	.000	.000	.010	.047	.168	.017	0.47	0.14
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	343	.000	.003	.008	.020	.072	.248	.030	0.64	0.20
48002	HWY47/E OF HWY48 STOUFFVILLE	272	.000	.000	.000	.001	.009	.059	.005	0.20	0.06
49010	HWY 117/PAINT LAKE RD DORSET	68	.000	.000	.000	.000	.001	.009	.001	0.01	0.01
51001	MCD GDS, RIDEAU/WURTENBURG ST OTTAWA	351	.000	.000	.000	.005	.026	.134	.011	0.60	0.08
56051	MEMORIAL PK, BEDFORD/THIRD STS CORNWALL	356	.000	.000	.000	.001	.014	.103	.008	0.60	0.16
63100	HAWKEYE LAKE	193	.000	.000	.000	.000	.000	.005	.000	0.01	0.01

TABLE A-18 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985

POLLUTANT - NITRIC OXIDE

UNIT = PARTS/MILLION

RUN DATE
MAR 27, 1987

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES						ARITH- METIC MEAN	MAXIMUM	
			10	30	50	70	90	99		1HR	24HR
71066	FARWELL PUMPHOUSE SAULT STE MARIE	207	.000	.003	.011	.021	.042	.114	.022	0.31	0.07
77016	WATER TANK, ASH ST SUDBURY	56	.000	.000	.000	.006	.022	.087	.010	0.24	0.04
77203	SCIENCE NORTH SUDBURY	288	.000	.000	.000	.003	.015	.090	.008	0.42	0.09

TABLE A-19 10-YEAR TREND FOR NO

10-YEAR TREND FOR NO

City	Annual Mean (ppm)									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CORNWALL	.023	.016	.008	.009	.007	.006	.005	.008	.007	.008
ETOBICOKE	.030	.032	.026	.027	.019	.026	.027	.026	.026	.027
HAMILTON	.025	.030	.027	.030	.021	.024	.024	.018	.023	.019
KITCHENER	.042	.049	.046	.044	.037	.058	.038	.045	.046	.047
LONDON	.031	.020	.020	.018	.016	.018	.015	.014	.017	.013
NORTH YORK	.033	.025	.036	.034	.028	.050	.036	.030	.027	.028
OAKVILLE	.024	.021	.028	.018	.020	.020	.015	.012	.017	.016
OTTAWA	.026	.026	.020	.026	.013	.015	.013	.009	.012	.011
SARNIA	.020	.017	.019	.017	.010	.014	.009	.010	.008	.007
SCARBORO	.223	.049	.049	.037	.029	.034	.028	.028	.033	.032
SIMCOE	.001	.009	.005	.003	.001	.002	.002	.002	.005	.004
ST CATHARINES	.017	.022	.021	.022	.009	.014	.008	.009	.016	.009
SUDBURY	.010	.010	.007	.006	.005	.006	.007	.005	.007	.010
TORONTO	.025	.026	.022	.019	.016	.023	.022	.019	.021	.019
WINDSOR	.030	.032	.027	.021	.019	.017	.011	.016	.028	.015

TABLE A-20 TOTAL NITROGEN OXIDE (NOX) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985

POLLUTANT - NITROGEN OXIDES

UNIT = PARTS/MILLION

RUN DATE
MAR 27, 1987

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES		50	70	90	99	ARITH- METIC MEAN	MAXIMUM	
			10	30						1HR	24HR
12008	467 UNIVERSITY AV W WINDSOR	348	.007	.019	.029	.042	.070	.165	.041	0.38	0.15
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	324	.000	.007	.016	.028	.051	.103	.027	0.34	0.09
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	352	.004	.014	.024	.039	.070	.154	.038	0.59	0.14
22071	EXPERIMENTAL FARM SIMCOE	169	.000	.000	.004	.008	.017	.036	.010	0.13	0.04
22086	CHEAPSIDE RD(3 KM S OF HWY 3) NANTICOKE	306	.000	.000	.000	.000	.009	.038	.004	0.09	0.04
22901	PROVINCIAL PARK LONG POINT	294	.000	.000	.000	.000	.007	.024	.003	0.10	0.03
26029	EDNA/FREDERICK STS KITCHENER	294	.000	.000	.000	.000	.007	.024	.003	0.10	0.03
27037	NORTH/GENEVA STS ST CATHARINES	365	.011	.025	.040	.074	.173	.398	.076	0.83	0.30
29025	BARTON/WENTWORTH HAMILTON	353	.004	.018	.030	.044	.079	.191	.044	0.57	0.15
29102	467 BEACH BLVD HAMILTON	341	.000	.010	.030	.051	.088	.210	.044	0.87	0.21
29118	MAIN ST W/HWY 403 HAMILTON	170	.003	.012	.025	.049	.116	.298	.051	0.95	0.18
31049	MISSION, 381 YONGE ST TORONTO	349	.038	.066	.095	.141	.233	.408	.125	0.85	0.35
31104	26 BREADALBANE TORONTO	355	.006	.018	.030	.046	.081	.194	.044	0.35	0.18
31105	SHERBOURNE/WILTON STS TORONTO	354	.013	.029	.047	.070	.122	.265	.065	0.75	0.19
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	326	.011	.025	.038	.058	.105	.257	.057	0.86	0.20

TABLE A-20 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985

POLLUTANT - NITROGEN OXIDES

UNIT = PARTS/MILLION

RUN DATE
MAR 27, 1987

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES		50	70	90	99	ARITH- METIC MEAN	MAXIMUM	
			10	30						1HR	24HR
31190	CN TOWER, 301 FRONT ST W TORONTO	90	.000	.000	.004	.008	.018	.049	.011	0.27	0.04
33003	LAWRENCE/KENNEDY SCARBORO	348	.000	.011	.029	.054	.111	.280	.050	0.68	0.21
34002	SC CTR, 770 DON MILLS RD NORTH YORK	355	.013	.024	.034	.050	.107	.256	.055	0.62	0.19
34007	STADACONA/HWY 401 NORTH YORK	143	.006	.022	.059	.138	.292	.498	.113	0.82	0.36
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	338	.008	.019	.029	.047	.102	.310	.053	1.07	0.24
35033	EVANS/ARNOLD AV ETOBICOKE	357	.012	.030	.053	.087	.159	.373	.079	0.76	0.29
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	335	.009	.021	.032	.048	.093	.266	.051	0.79	0.17
44015	BRONTE RD/WOBURN CRES OAKVILLE	343	.000	.005	.015	.029	.068	.218	.032	0.67	0.15
45025	PS, RITSON RD/OLIVE AV OSHAWA	337	.000	.008	.021	.038	.079	.208	.038	0.49	0.17
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	343	.012	.024	.034	.051	.106	.281	.055	0.60	0.23
48002	HWY47/E OF HWY48 STOUFFVILLE	272	.000	.003	.008	.015	.033	.109	.018	0.25	0.09
49010	HWY 117/PAINT LAKE RD DORSET	87	.000	.000	.002	.006	.009	.020	.007	0.10	0.02
51001	MCD GDS, RIDEAU/WURTENBURG ST OTTAWA	351	.000	.000	.008	.021	.055	.172	.024	0.60	0.12
56051	MEMORIAL PK, BEDFORD/THIRD STS CORNWALL	346	.000	.000	.006	.014	.033	.134	.018	0.60	0.19
63100	HAWKEYE LAKE	198	.000	.000	.000	.000	.000	.005	.000	0.01	0.01

TABLE A-20 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH											
YEAR - 1985		POLLUTANT - NITROGEN OXIDES								UNIT = PARTS/MILLION	
STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES						ARITH- METIC MEAN	MAXIMUM	
			10	30	50	70	90	99		1HR	24HR
71066	FARWELL PUMPHOUSE SAULT STE MARIE	138	.000	.011	.020	.032	.053	.093	.029	0.18	0.08
77016	WATER TANK, ASH ST SUDBURY	56	.000	.000	.006	.014	.037	.116	.017	0.26	0.05
77203	SCIENCE NORTH SUDBURY	291	.000	.000	.005	.013	.030	.118	.016	0.48	0.12

TABLE A-21 OZONE (O₃) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985

POLLUTANT - OZONE

UNIT = PARTS/BILLION

RUN DATE
MAR 27, 1987

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES							ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA 1HR
			10	30	50	70	90	99	1HR		24HR		
10001	COLLEGE OF AGRIC TECH HURON PARK	337	8.6	18.1	24.6	31.5	43.5	71.0	26.5		101	64	38
12008	467 UNIVERSITY AV W WINDSOR	360	0.6	6.6	14.3	23.6	46.4	79.0	19.7		116	66	77
13021	MOE WATER PUMP STN, MIDDLE RD MERLIN	329	4.5	13.6	20.4	27.0	38.4	64.5	22.0		92	56	17
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	343	2.4	13.3	21.2	29.1	40.8	73.9	22.9		110	62	47
14118	PUC BLDG, HWY 21 MANDAUMIN	182	9.8	20.8	27.3	32.6	42.0	70.9	27.9		114	62	25
14119	PUC BLDG THEDFORD	347	9.9	20.3	27.7	35.4	49.7	80.9	29.7		127	68	92
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	354	1.9	11.3	18.6	26.7	41.9	69.8	21.3		110	62	31
15013	PUC BLDG PARKHILL	305	7.4	17.4	24.3	31.7	42.4	67.2	25.8		100	58	16
18007	CONCESSION RD 2 LOT A TIVERTON	331	15.2	27.0	33.6	39.9	51.7	80.7	34.6		122	70	86
22071	EXPERIMENTAL FARM SIMCOE	305	10.8	21.0	27.8	36.2	52.1	79.5	30.6		118	72	71
22901	PROVINCIAL PARK LONG POINT	340	14.8	24.5	31.1	38.8	57.5	87.3	34.4		135	83	183
26029	EDNA/FREDERICK STS KITCHENER	358	0.7	9.3	17.2	24.8	40.2	69.1	19.9		105	63	27
27037	NORTH/GENEVA ST ST CATHARINES	323	1.6	7.9	13.1	21.5	39.4	67.2	17.9		92	68	19
29025	BARTON/WENTWORTH HAMILTON	344	1.4	8.4	15.8	24.2	38.5	67.2	19.0		96	66	17
29105	NASH RD/KENTLEY DR HAMILTON	286	2.8	11.8	20.7	29.8	43.3	71.5	23.1		104	73	23

TABLE A-21 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985		POLLUTANT - OZONE		UNIT = PARTS/BILLION								RUN DATE MAR 27, 1987	
STATION NUMBER	LOCATION	NO. OF DAYS	10	PERCENTILES			90	99	ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA	
				30	50	70				1HR	24HR	1HR	
29114	VICKERS RD/EAST 18TH ST HAMILTON	72	0.0	2.5	8.5	15.6	22.5	30.5	10.4	43	25	0	
29118	MAIN ST W/HWY 403 HAMILTON	160	0.0	3.6	12.7	23.7	43.5	74.9	17.9	99	57	23	
31104	26 BREADALBANE TORONTO	353	0.0	4.7	12.0	21.4	35.5	66.3	16.2	104	65	27	
31105	SHERBOURNE/WILTON STS TORONTO	359	0.0	3.1	8.5	16.2	28.0	50.2	12.3	96	47	7	
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	349	0.0	4.9	13.6	21.7	35.5	66.2	16.5	107	50	18	
31190	CN TOWER, 301 FRONT ST W TORONTO	115	7.8	20.6	28.0	35.6	53.6	82.7	30.3	110	70	39	
33003	LAWRENCE/KENNEDY SCARBORO	351	0.0	4.3	11.2	18.2	29.7	56.3	13.9	80	45	0	
34002	SC CTR, 770 DON MILLS RD NORTH YORK	348	0.0	3.2	8.8	15.3	26.7	47.0	11.8	89	39	2	
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	334	0.0	4.4	14.3	24.7	40.6	72.9	18.1	118	60	33	
35033	EVANS/ARNOLD AV ETOBICOKE	359	0.1	3.0	9.1	16.6	32.0	63.1	13.6	101	51	14	
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	344	1.5	9.8	18.6	26.9	40.9	65.0	20.8	115	53	19	
44015	BRONTE RD/WOBURN CRES OAKVILLE	363	0.0	8.7	17.4	25.9	39.8	64.5	19.6	97	58	12	
45025	PS, RITSON RD/OLIVE AV OSHAWA	346	1.2	8.7	16.1	23.2	34.0	71.9	18.2	115	88	42	
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	353	0.0	5.2	12.9	20.9	34.1	63.2	16.0	104	52	13	
47035	509 VICTORIA ST E ALLISTON	199	1.1	12.3	20.6	28.0	41.4	68.0	22.0	94	61	12	

TABLE A-21 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

YEAR - 1985 POLLUTANT - OZONE UNIT = PARTS/BILLION RUN DATE
MAR 27, 1987

STATION NUMBER	LOCATION	NO. OF DAYS	PERCENTILES					99	ARITH- METIC MEAN	MAXIMUM		NO. OF TIMES ABOVE CRITERIA 1HR
			10	30	50	70	90			1HR	24HR	
48002	HWY47/E OF HWY48 STOUFFVILLE	363	7.3	16.0	22.0	27.6	38.4	64.1	23.3	93	56	8
49010	HWY 117/PAINT LAKE RD DORSET	348	6.7	17.4	24.5	29.5	37.2	62.7	24.3	80	56	0
51001	MCD GDS, RIDEAU/WURTENBURG ST OTTAWA	353	0.9	9.5	17.8	25.8	36.5	56.9	19.2	96	54	1
56051	MEMORIAL PK, BEDFORD/THIRD STS CORNWALL	350	6.6	17.0	24.7	32.6	44.0	63.2	25.8	81	65	1
59006	CITY HALL, 500 GEORGE ST PETERBORO	311	1.2	10.3	16.4	23.6	36.8	71.2	19.2	107	69	47
63040	435 JAMES ST S THUNDER BAY	230	0.4	8.7	16.7	22.5	29.4	37.0	16.2	47	34	0
63100	HAWKEYE LAKE	217	9.1	18.8	25.3	30.8	40.6	55.9	25.7	73	56	0
71066	FARWELL PUMPHOUSE SAULT STE MARIE	287	1.7	8.5	13.8	19.1	26.2	42.7	14.9	70	40	0
77016	WATER TANK, ASH ST SUDBURY	304	2.0	7.7	12.2	16.0	24.0	44.1	13.4	83	42	1
77202	HIGH FALLS	44	0.0	5.4	21.9	30.5	38.1	59.1	20.2	110	38	2
77203	SCIENCE NORTH SUDBURY	264	8.7	19.5	26.1	33.8	48.0	76.1	28.3	117	84	45

TABLE A-22 10-YEAR TREND FOR O₃10-YEAR TREND FOR O₃

City	Annual Mean (ppb)									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CORNWALL	15.9	18.7	25.7	23.4	24.8	22.7	21.5	22.7	27.6	26.2
ETOBICOKE	16.9	16.7	19.1	11.0	13.4	14.5	15.6	15.7	16.5	18.1
HAMILTON	18.0	16.6	16.3	15.3	17.4	16.3	16.9	18.7	18.0	19.0
HURON PARK	—	29.6	29.8	25.9	23.6	23.9	23.4	24.2	26.5	26.5
KITCHENER	20.6	24.9	27.6	20.5	20.7	18.8	17.8	18.9	18.3	19.9
LONDON	19.0	20.9	20.5	16.6	18.5	19.8	21.3	21.0	19.4	21.3
MANDAUMIN	—	26.5	29.3	27.2	22.3	23.4	22.5	19.1	25.9	27.9
MERLIN	—	28.3	28.2	24.7	23.6	23.8	25.3	22.6	21.0	22.0
NORTH YORK	12.4	10.6	14.5	13.1	16.3	15.6	14.5	18.3	15.5	11.8
OAKVILLE	22.3	21.9	20.5	—	23.0	17.3	16.0	18.1	16.7	19.6
OTTAWA	17.4	19.2	19.2	17.2	15.4	15.2	17.1	17.6	17.8	18.9
SARNIA	19.3	19.5	22.7	23.2	21.6	21.3	22.7	23.0	23.3	22.9
SCARBORO	15.3	14.9	17.2	14.4	13.8	13.3	14.8	16.7	14.9	13.9
SIMCOE	30.8	33.6	35.2	28.1	26.3	28.9	32.3	30.0	28.7	30.6
ST CATHARINES	25.8	22.1	24.0	18.8	20.8	20.0	21.2	23.2	20.3	17.9
STOUFFVILLE	35.9	25.7	28.9	24.2	22.8	19.4	22.7	20.5	21.0	23.3
TORONTO	16.8	15.8	17.3	16.4	15.7	15.3	14.3	16.7	17.1	16.2
WINDSOR	20.5	20.6	18.0	15.7	19.9	18.8	18.1	18.7	18.9	19.7

TABLE A-23 TOTAL SUSPENDED PARTICULATE (TSP) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH												RUN DATE	
YEAR - 1985												MAR 31, 1987	
POLLUTANT - SUSPENDED PARTICULATE												UNIT - MICROGRAMS/CU.METRE	
STATION NUMBER	LOCATION	NO OF SAMPLES	NO OF		PERCENTILES					ARITH MEAN	GEOM MEAN	NO OF TIMES	
			10	30	50	70	90	99	MAX			ABOVE CRITERIA	24-HR 1-YR
10015	PUC BLDG, 64 WEST ST GODERICH	60	18	32	42	54	74	141	217	47	38	1	0
11001	309 THOMAS ST ST MARYS	61	16	23	34	47	80	146	170	43	35	2	0
12002	CITY HALL, 444 WINDSOR AV WINDSOR	57	29	41	49	61	86	114	122	54	50	1	0
12005	7730 RIVERSIDE DR E WINDSOR	59	22	29	43	50	71	136	197	47	41	1	0
12006	BEACH LANE/HWY 18 LA SALLE	58	27	47	60	70	93	155	264	62	56	1	0
12007	WRIGHT/WATER ST WINDSOR	53	40	56	67	86	160	279	342	85	73	8	1
12008	467 UNIVERSITY AV W WINDSOR	325	34	48	62	77	105	159	200	66	59	13	0
12009	9725 RIVERSIDE DR E LITTLE RIVER	55	23	30	44	54	86	157	207	50	43	2	0
12010	SEWAGE STN, HANNING RD WINDSOR	58	20	31	43	54	75	176	242	50	42	2	0
12013	FILTRAT PLT, 3665 WYANDOTTE ST E WINDSOR	57	43	60	75	94	149	315	333	91	77	10	1
12015	SEWAGE STN, HWY 18/PROSPECT WINDSOR	58	46	79	94	105	167	179	181	99	90	14	1
12016	COLLEGE/SOUTH ST WINDSOR	116	31	49	61	74	101	144	188	65	59	6	0
12036	1802 GEORGE AV WINDSOR	56	27	47	55	65	86	151	229	59	53	1	0
12037	3225 CALIFORNIA ST WINDSOR	54	26	38	48	56	72	135	201	51	46	1	0
12038	2885 HOWARD AV WINDSOR	39	46	62	81	95	126	282	373	90	79	6	INS
12039	DOUGLAS ST/E.C. ROW W WINDSOR	65	31	44	54	70	87	156	257	60	54	1	0
12047	DORWIN PLAZA, DOUGALL AV WINDSOR	52	27	35	48	57	87	133	169	52	46	1	0
12049	643 ALEXANDRINE WINDSOR	62	29	45	58	70	95	201	317	65	57	4	0
12050	535 CHARLES ST WINDSOR	63	30	60	78	115	150	249	332	91	75	17	1
12053	415 FRONT ST AMHERSTBURG	54	20	40	50	68	89	157	187	55	46	2	0
12115	HWY 18/PROSPECT BKUP WINDSOR	46	15	22	27	33	44	59	59	29	26	0	0
13003	POST OFFICE, 10 CENTRE ST CHATHAM	54	27	35	43	52	70	147	184	48	43	2	0
14001	GENERAL HOSPITAL, 220 MITTON ST SARNIA	57	20	28	39	48	61	96	99	40	35	0	0
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	336	18	25	33	44	67	124	193	39	34	5	0
14030	RR1 (W OF HOUSE) CORUNNA	58	18	29	35	49	65	136	176	42	36	1	0
14031	RR1 (W OF BARN) MOORETOWN	55	15	27	34	48	66	122	138	41	34	1	0

TABLE A-23 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - SUSPENDED PARTICULATE

UNIT - MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES		PERCENTILES						ARITH MEAN	GEOM MEAN	NO OF TIMES ABOVE CRITERIA 24-HR 1-YR	
				10	30	50	70	90	99				
14054	SARNIA YACHT CLUB, POINT EDWARD												
	SARNIA	58	17	24	38	48	71	132	185	42	36	1	0
14059	ST CLAIR BLVD/HWY 40												
	CORUNNA	57	18	27	34	43	62	119	142	39	34	1	0
14064	CENTENNIAL PK,FRONT ST/CN TRACKS												
	SARNIA	57	27	37	45	58	79	157	181	51	46	2	0
14151	DAVID/FRONT ST												
	SARNIA	58	22	34	38	60	100	132	140	52	44	3	0
15001	WRN FAIR GROUNDS, KING/RECTORY												
	LONDON	54	24	31	42	56	75	143	170	48	42	2	0
15003	362 DUNDAS ST												
	LONDON	48	25	35	44	61	83	94	97	50	44	0	0
15006	16 ALEXANDRIA ST												
	ST THOMAS	91	28	42	54	72	115	227	330	67	56	8	0
15007	1012 TALBOT ST												
	ST THOMAS	57	26	38	45	57	74	167	170	52	46	3	0
15008	EDGEWARE RD (NNW VARTA PLT)												
	ST THOMAS	54	20	28	37	50	67	118	154	42	37	1	0
15009	LONGWOODS CONSERVATION AUTHORITY												
		109	15	23	30	38	55	190	222	37	31	3	0
17006	ST ANTHONY'S SS, HWY 2												
	BEACHVILLE	49	28	42	57	85	144	193	213	73	59	9	0
17020	HWY 2 RR 2 (J SPIEL PROP)												
	INGERSOLL	57	32	48	56	71	96	144	146	63	57	4	0
17021	OXFORD CTY RD 6 (HESSTON FARM)												
	EMBRO	88	33	49	63	96	152	261	293	80	65	13	1
17022	182 WATER ST												
	WINGHAM	39	29	43	61	71	89	127	128	61	55	2	INS
17206	ST ANTHONY'S SS, HWY2												
	BEACHVILLE	47	33	58	82	116	175	218	226	95	80	13	1
17306	ST ANTHONY'S SS, HWY2												
	BEACHVILLE	49	26	40	54	67	107	154	161	60	52	2	0
18014	369 LEOPOLD ST												
	WINGHAM	15	18	26	33	39	51	143	169	41	34	1	INS
22071	EXPERIMENTAL FARM												
	SIMCOE	56	16	23	27	39	69	150	183	38	31	2	0
22086	CHEAPSIDE RD(3 KM S OF HWY 3)												
	NANTICOKE	58	18	26	33	36	57	106	153	36	32	1	0
22087	JARVIS COMMUNITY CENTRE,JAMES ST												
	JARVIS	56	26	38	46	63	97	170	203	56	49	3	0
22090	ST GEORGE/ALMA												
	PORT DOVER	58	21	26	31	39	56	71	72	35	32	0	0
22091	TOWNLINE RD/CON 13												
	TOWNSEND	59	19	29	35	50	70	123	178	42	36	1	0
22092	RAINHAM RD/SANDUSK RD												
	JARVIS	60	22	30	35	50	78	131	135	43	37	2	0
22904	WALPOLE S PS, SANDUSK RD												
	NANTICOKE	67	13	22	28	35	57	141	163	34	27	2	0
22907	RAINHAM RD (NEAR STELCO GATE)												
	NANTICOKE	60	29	46	60	76	112	185	231	67	59	6	0
22952	PEACOCK PROV PARK												
		54	16	22	27	31	39	63	69	28	26	0	0

TABLE A-23 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - SUSPENDED PARTICULATE

UNIT - MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	10		30		PERCENTILES				ARITH MEAN	GEOM MEAN	NO OF TIMES ABOVE CRITERIA	
			50	70	90	99	MAX	24-HR	1-YR					
22959	HWY 59													
	BIG CREEK WILDLIFE RESERVE	53	18	25	33	43	60	100	125	37	32		1	0
22960	MCKENZIE RD/H-N RD N													
	JARVIS	55	23	29	33	40	57	74	76	37	34		0	0
22961	NANTICOKE RD/WALPOLE CON 2													
	NANTICOKE	59	25	37	42	54	81	162	207	52	45		4	0
22964	N 2 KM NANTICOKE GS													
	NANTICOKE	60	22	30	36	53	73	130	188	44	39		1	0
22965	HWY 6/NORFOLK CON 2													
	JARVIS	53	20	28	33	39	55	89	120	36	33		0	0
26029	EDNA/FREDERICK STS													
	KITCHENER	57	25	34	49	62	76	121	174	52	46		1	0
27014	STANLEY/CHIPPAWA PKWY													
	CHIPPAWA	55	24	34	42	58	76	103	137	48	44		1	0
27030	KILLALY E/JAMES ST													
	PORT COLBORNE	54	20	33	41	54	89	137	146	50	43		2	0
27037	NORTH/GENEVA ST													
	ST CATHARINES	57	31	39	51	60	96	148	151	56	50		2	0
27045	337 ALBERTA/DEVON ST													
	WELLAND	56	25	36	49	63	85	170	218	55	48		2	0
27047	DAVIS/FRAZER													
	PORT COLBORNE	55	28	38	44	63	93	207	291	57	49		2	0
27051	HOLY T CHURCH, NORTON/PORTAGE													
	CHIPPAWA	4	20	26	29	32	35	37	37	28	27		0	INS
27052	185 QUEEN ST S													
	THOROLD	56	52	78	105	160	234	317	434	127	106		22	1
27053	FIRST AV/BRIDGE ST													
	NIAGARA FALLS	58	38	51	68	84	119	192	236	74	67		5	1
27055	STP GROUNDS, STANLEY AV													
	NIAGARA FALLS	55	43	63	81	101	139	261	434	91	79		10	1
27056	ALLENDALE AV													
	NIAGARA FALLS	58	23	35	41	57	86	139	154	49	44		2	0
27059	188 EASTCHESTER AV													
	ST CATHARINES	17	38	54	63	71	84	86	86	62	59		0	INS
27060	PETRIE ST/DUNKIRK RD													
	ST CATHARINES	28	37	46	68	87	116	128	129	71	65		3	INS
28025	FARQUHAR/WYNDHAM ST													
	GUELPH	58	15	23	30	36	52	93	154	33	30		1	0
28027	HANLON EXPWY/SPEED RIVER													
	GUELPH	55	28	44	61	77	150	246	256	73	61		7	1
29001	HUGHSON/HUNTER													
	HAMILTON	57	30	42	60	73	92	128	150	61	55		1	0
29009	KENILWORTH													
	HAMILTON	59	31	43	62	70	103	136	142	62	56		2	0
29011	BURLINGTON/LEEDS													
	HAMILTON	58	53	86	123	156	209	264	270	128	113		30	1
29017	CHATHAM/FRID													
	HAMILTON	58	30	47	63	84	125	167	212	71	61		7	1
29025	BARTON/WENTWORTH													
	HAMILTON	321	40	55	68	92	141	202	253	80	71		49	1
29067	450 HUGHSON ST N													
	HAMILTON	59	34	42	51	66	88	111	124	57	53		1	0

TABLE A-23 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH												RUN DATE MAR 31, 1987	
YEAR - 1985		POLLUTANT - SUSPENDED PARTICULATE				UNIT - MICROGRAMS/CU.METRE							
STATION NUMBER	LOCATION	NO OF SAMPLES	10	30	PERCENTILES					ARITH MEAN	GEOM MEAN	NO OF TIMES ABOVE CRITERIA 24-HR 1-YR	
					50	70	90	99	MAX				
29085	UPPER WELLINGTON/INVERNESS												
	HAMILTON	54	22	30	43	54	70	129	132	46	41	2	0
29087	405 CUMBERLAND AV												
	HAMILTON	56	33	43	54	69	86	161	164	59	54	2	0
29089	BARTON/NASH RD												
	HAMILTON	50	30	43	54	69	105	111	111	61	55	0	0
29098	BAY/MAIN ST												
	HAMILTON	56	23	33	40	57	78	101	113	47	42	0	0
29102	467 BEACH BLVD												
	HAMILTON	339	26	51	77	106	150	243	324	84	69	73	1
29108	300 FIFTY RD												
	WINONA	24	21	31	43	48	77	134	140	47	41	1	INS
29109	287 FIFTY RD												
	WINONA	22	33	35	45	59	149	209	226	69	55	4	INS
29110	1479 HWY 8												
	WINONA	24	25	34	41	47	65	73	75	42	40	0	INS
29118	MAIN ST W/HWY 403												
	HAMILTON	25	24	28	43	51	60	75	79	42	39	0	INS
31058	MOSLEY/LESLIE STS												
	TORONTO	339	31	49	60	80	118	226	320	71	61	31	1
31064	17 BERKSHIRE AV												
	TORONTO	238	27	42	53	74	102	198	251	63	54	15	0
31079	FIRE HALL, 1285 DUFFERIN ST												
	TORONTO	340	30	43	51	61	82	154	208	55	50	7	0
31082	WORKS DEPT, 138 HAMILTON AV												
	TORONTO	342	32	48	60	79	118	219	268	70	62	32	1
31084	MAYDWELL MFG, 65 SAULTER ST												
	TORONTO	327	33	48	59	76	110	218	265	68	60	24	0
31085	TECUMSETH/NIAGARA ST												
	TORONTO	346	34	50	62	82	114	214	317	71	64	28	1
31104	26 BREADALBANE												
	TORONTO	354	29	40	50	64	87	147	230	56	50	9	0
31105	SHERBOURNE/WILTON STS												
	TORONTO	115	46	63	80	105	145	246	382	92	82	25	1
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)												
	TORONTO	102	23	36	45	63	83	350	365	57	47	6	0
31123	26 BREADALBANE												
	TORONTO	19	36	51	55	64	92	104	105	60	56	0	INS
31181	60 BATHURST ST												
	TORONTO	323	31	44	53	68	96	164	261	61	55	12	0
32008	30 INDUSTRIAL ST (NUODEX)												
	EAST YORK	105	32	40	48	60	81	117	117	54	50	0	0
33003	LAWRENCE/KENNEDY												
	SCARBORO	116	28	41	53	69	98	179	212	60	53	6	0
33019	REDLAND CR (SCARB BLUFFS)												
	SCARBORO	107	21	27	33	45	65	147	167	40	34	3	0
34002	SC CTR, 770 DON MILLS RD												
	NORTH YORK	115	24	31	41	50	66	161	185	45	40	3	0
35003	ELMCREST RD (CENTENNIAL PK)												
	ETOBICOKE	115	27	39	49	62	93	257	562	62	51	6	0
35005	QUEENSWAY HOSPITAL												
	ETOBICOKE	116	27	41	50	61	80	214	227	58	51	6	0

TABLE A-23 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - SUSPENDED PARTICULATE

UNIT - MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	NO OF		PERCENTILES					ARITH MEAN	GEOM MEAN	NO OF TIMES ABOVE CRITERIA	
			10	30	50	70	90	99	MAX			24-HR	1-YR
35033	EVANS/ARNOLD AV ETOBICOKE	115	33	48	61	74	98	195	203	65	58	7	0
35037	3050 LAKESHORE BLVD W ETOBICOKE	328	31	49	61	73	103	175	277	65	59	15	0
35051	RESOURCES RD (MOL LAB) ETOBICOKE	299	24	36	44	58	81	172	199	51	44	9	0
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	114	27	41	50	63	107	184	269	62	53	9	0
44015	BRONTE RD/WOBURN CRES OAKVILLE	119	23	34	43	53	77	159	210	49	43	4	0
45001	FIRE HALL, BAYLY/BROCK PICKERING	326	23	37	50	66	97	164	222	56	49	15	0
45011	PUB LIBRARY, 65 BAGOT ST/SIMCOE OSHAWA	115	23	32	41	54	79	157	196	48	41	5	0
45025	PS, RITSON RD/OLIVE AV OSHAWA	117	24	35	47	62	87	160	203	54	46	7	0
46025	PUB LIBRARY, 110 DUNDAS W MISSISSAUGA	54	34	48	56	66	94	120	129	60	55	1	0
46033	FIRE HALL, BRAMALEA RD BRAMALEA	40	32	47	69	80	114	208	221	72	62	3	INS
46041	2414 DIXIE RD MISSISSAUGA	312	34	47	59	78	109	195	244	67	60	25	0
46045	2365 DIXIE RD MISSISSAUGA	342	33	49	61	76	105	170	234	67	60	21	0
46046	2360 DIXIE RD MISSISSAUGA	332	29	43	56	69	96	168	240	61	54	15	0
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	119	33	42	51	67	88	182	200	59	53	3	0
47019	POST OFFICE, 17-25 PETER ST S ORILLIA	55	25	31	43	52	69	137	173	47	42	1	0
47042	ARMOURY BLDG, PARK/PARKSIDE ST BARRIE	98	19	23	29	39	63	107	192	37	32	1	0
48002	HWY47/E OF HWY48 STOUFFVILLE	116	19	26	34	45	67	138	184	41	35	2	0
54013	POST OFFICE BLDG BELLEVILLE	3	17	21	26	28	30	31	31	24	23	0	INS
58027	51 SHUTER ST PORT HOPE	71	23	33	47	60	84	123	142	51	45	1	0
58041	FILT PLT, MARSH ST PORT HOPE	73	21	26	33	44	62	84	88	37	34	0	0
58042	CAN TIRE, QUEEN ST PORT HOPE	65	25	32	40	46	68	94	96	43	40	0	0
59006	CITY HALL, 500 GEORGE ST PETERBORO	101	21	29	38	51	71	132	221	45	39	2	0
62013	WEATHER STN ATIKOKAN	57	9	16	27	33	52	79	85	28	23	0	0
62032	CEMETERY, COLONIZATION RD W FORT FRANCES	59	13	19	26	38	58	93	113	32	26	0	0
62035	LEGION BLDG, 250 CHURCH ST FORT FRANCES	55	23	34	44	67	116	271	272	65	51	5	0
63005	HOSP, ARCHIBALD/ARTHUR STS THUNDER BAY	58	18	27	38	48	65	83	84	40	36	0	0

TABLE A-23 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - SUSPENDED PARTICULATE

UNIT - MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES			PERCENTILES					ARITH MEAN	GEOM MEAN	NO OF TIMES ABOVE CRITERIA	
		10	30	50	70	90	99	MAX	24-HR			1-YR	
63012	DAWSON CT/ALGOMA ST N THUNDER BAY	56	11	18	24	35	55	77	80	30	25	0	0
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	62	14	23	30	44	65	89	91	36	31	0	0
63040	435 JAMES ST S THUNDER BAY	55	15	21	28	33	54	78	80	31	27	0	0
63046	CAN-CAR, MONTREAL ST THUNDER BAY	48	18	34	49	69	87	147	183	55	47	1	0
63052	TRNSIT MAINT BD, WILLIAM RD THUNDER BAY	60	19	29	40	55	88	113	124	47	40	1	0
63070	CENTENNIAL DR (SEWAGE T PLT) LONGLAC	55	14	22	28	42	91	182	219	43	32	5	0
71042	PUMPHOUSE, BONNEY ST SAULT STE MARIE	56	33	58	94	135	297	466	508	129	94	20	1
71049	LAND OFFICE, QUEEN ST SAULT STE MARIE	55	19	28	35	46	61	112	126	40	36	1	0
71053	DENISON TOWNSITE ELLIOT LAKE	29	9	15	19	31	51	82	93	26	21	0	INS
71062	PORRIDGE LAKE SUBDIVISION ELLIOT LAKE	28	5	13	16	25	52	90	90	25	17	0	INS
71065	HOSPITAL, LAKESHORE AV BLIND RIVER	43	9	14	20	28	35	84	115	24	20	0	0
71066	FARWELL PUMPHOUSE SAULT STE MARIE	87	22	39	55	70	105	180	188	60	51	5	0
71067	DUNLOP LAKE ELLIOT LAKE	22	3	8	11	14	26	43	45	13	10	0	INS
72077	MINISTRY OF HEALTH BLDG TIMMINS	43	17	28	41	53	88	110	112	46	38	0	0
75010	OPP STN NORTH BAY	50	15	19	24	31	48	60	61	28	25	0	0
77016	WATER TANK, ASH ST SUDBURY	54	13	22	28	31	42	97	154	30	26	1	0
77026	19 LISGAR ST SUDBURY	54	18	25	33	40	52	70	71	34	31	0	0
77029	POST OFFICE, SPRUCE/BARBER ST ESPANOLA	53	23	33	42	53	74	100	105	46	42	0	0
77070	PUMPHOUSE, NICKEL ST COPPER CLIFF	55	15	25	30	38	50	63	72	32	29	0	0
77076	POST OFFICE FALCONBRIDGE	19	11	23	32	36	41	56	59	29	26	0	INS

TABLE A-24 10-YEAR TREND FOR TSP

10-YEAR TREND FOR TSP

Annual Geometric Mean (ug/m3)

City	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
ATIKOKAN	30	30	28	36	39	26	20	21	23	23
BELLEVILLE	53	59	61	57	53	42	39	53	47	23
BRAMALEA	46	55	57	67	60	53	61	65	66	62
CHATHAM	59	64	77	70	75	65	48	45	41	43
CORNWALL	47	48	44	58	52	47	40	48	46	-
ETOBICOKE	69	65	71	84	83	91	74	53	59	58
FORT FRANCES	40	32	31	39	40	39	32	33	32	26
HAMILTON	99	96	102	100	88	72	81	75	81	71
KITCHENER	56	54	68	80	64	64	54	51	58	46
LONDON	64	58	72	76	83	58	51	52	55	42
MISSISSAUGA	84	66	58	70	70	73	62	60	68	55
NORTH BAY	46	-	-	34	46	37	34	33	37	25
NORTH YORK	45	41	42	52	48	44	43	38	39	40
OAKVILLE	39	38	43	47	62	50	45	40	47	43
ORILLIA	48	64	38	50	50	44	59	42	43	42
OSHAWA	52	57	47	62	58	54	47	42	44	41
PETERBOROUGH	62	41	42	59	52	39	42	46	42	39
PICKERING	46	49	70	64	49	50	48	41	47	49
S.S.MARIE	44	38	38	53	62	45	40	35	37	36
SARNIA	73	76	80	66	76	62	58	59	45	46
SCARBORO	68	59	59	70	70	59	57	51	60	53
ST CATHARINES	78	57	56	67	62	57	56	68	58	50
SUDBURY	33	35	32	37	42	40	34	28	28	26
THUNDER BAY	49	47	44	51	51	52	39	35	44	36
TORONTO	65	67	67	72	67	58	55	54	54	50
WINDSOR	76	82	79	80	77	69	62	53	50	50

TABLE A-25 LEAD (Pb) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - LEAD

UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN	TIMES ABOVE
			10	30	50	70	90	99	MAX			CRITERIA 24-HR
12002	CITY HALL, 444 WINDSOR AV WINDSOR	57	1	1	1	2	4	6	6	2	1	0
12005	7730 RIVERSIDE DR E WINDSOR	59	1	1	1	2	2	3	3	1	1	0
12008	467 UNIVERSITY AV W WINDSOR	325	1	2	2	2	3	5	7	2	2	0
12009	9725 RIVERSIDE DR E LITTLE RIVER	55	1	1	1	2	4	6	7	2	2	0
12010	SEWAGE STN, HANNING RD WINDSOR	58	1	1	1	1	2	4	5	1	1	0
12013	FILTRAT PLT,3665 WYANDOTTE ST E WINDSOR	57	1	1	2	2	3	4	5	2	2	0
12015	SEWAGE STN, HWY 18/PROSPECT WINDSOR	58	1	1	2	2	3	4	4	2	2	0
12016	COLLEGE/SOUTH ST WINDSOR	10	1	2	2	4	5	6	6	3	2	0
13003	POST OFFICE, 10 CENTRE ST CHATHAM	54	1	1	1	1	2	4	4	1	1	0
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	336	1	1	1	1	1	1	2	1	1	0
14030	RR1 (W OF HOUSE) CORUNNA	58	1	1	1	1	1	1	1	1	1	0
14031	RR1 (W OF BARN) MOORETOWN	55	1	1	1	1	1	1	1	1	1	0
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	57	1	1	1	1	2	3	3	1	1	0
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	54	1	1	2	2	4	7	8	2	2	0
15003	362 DUNDAS ST LONDON	48	1	1	1	1	3	4	5	1	1	0
15008	EDGEWARE RD (NNW VARTA PLT) ST THOMAS	54	1	1	1	2	3	12	23	2	1	0
15009	LONGWOODS CONSERVATION AUTHORITY	109	1	1	1	1	1	1	1	1	1	0
22071	EXPERIMENTAL FARM SIMCOE	56	1	1	1	1	1	1	2	1	1	0
22904	WALPOLE S PS, SANDUSK RD NANTICOKE	13	1	1	1	1	2	3	3	1	1	0
26029	EDNA/FREDERICK STS KITCHENER	57	2	2	4	7	12	15	16	5	4	0
27037	NORTH/GENEVA ST ST CATHARINES	57	1	1	2	2	3	5	8	2	2	0
27059	188 EASTCHESTER AV ST CATHARINES	12	1	1	2	3	4	7	7	2	2	0
27060	PETRIE ST/DUNKIRK RD ST CATHARINES	23	1	2	3	3	5	6	6	3	2	0
28025	FARQUHAR/WYNDHAM ST GUELPH	58	1	1	1	1	1	4	12	1	1	0
29001	HUGHSON/HUNTER HAMILTON	57	1	1	2	2	4	4	5	2	2	0
29011	BURLINGTON/LEEDS HAMILTON	58	1	2	3	4	5	7	7	3	3	0

TABLE A-25 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - LEAD

UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99	MAX			
29017	CHATHAM/FRID HAMILTON	58	1	1	2	2	3	4	4	2	2	0
29025	BARTON/WENTWORTH HAMILTON	51	1	2	3	4	6	9	11	3	3	0
29067	450 HUGHSON ST N HAMILTON	58	1	1	1	2	2	4	4	2	1	0
29085	UPPER WELLINGTON/INVERNESS HAMILTON	53	1	1	1	2	4	5	5	2	2	0
29102	467 BEACH BLVD HAMILTON	52	1	1	2	2	3	4	5	2	2	0
29118	MAIN ST W/HWY 403 HAMILTON	12	1	2	2	3	5	6	6	3	2	0
31058	MOSLEY/LESLIE STS TORONTO	338	1	3	6	12	24	75	116	10	6	6
31064	17 BERKSHIRE AV TORONTO	238	1	2	4	7	13	22	44	6	4	0
31079	FIRE HALL, 1285 DUFFERIN ST TORONTO	333	1	1	2	3	5	8	12	2	2	0
31082	WORKS DEPT, 138 HAMILTON AV TORONTO	335	1	2	4	6	8	14	16	4	3	0
31084	MAYDWELL MFG, 65 SAULTER ST TORONTO	320	1	1	2	3	5	11	16	3	2	0
31085	TECUMSETH/NIAGARA ST TORONTO	345	3	5	10	18	39	92	403	17	10	23
31104	26 BREADALBANE TORONTO	290	1	2	2	3	4	7	8	2	2	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	102	1	1	1	2	4	7	8	2	2	0
31123	26 BREADALBANE TORONTO	19	2	2	3	3	5	8	9	3	3	0
31181	60 BATHURST ST TORONTO	322	1	1	3	6	10	33	94	5	3	2
32008	30 INDUSTRIAL ST (NUODEX) EAST YORK	101	1	2	2	3	4	5	6	2	2	0
33003	LAWRENCE/KENNEDY SCARBORO	116	1	3	3	4	5	8	9	3	3	0
33019	REDLAND CR (SCARB BLUFFS) SCARBORO	108	1	1	1	1	2	5	7	1	1	0
34002	SC CTR, 770 DON MILLS RD NORTH YORK	115	1	1	2	3	4	6	7	2	2	0
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	115	1	1	2	3	5	9	9	2	2	0
35033	EVANS/ARNOLD AV ETOBICOKE	113	2	3	5	6	8	13	14	5	4	0
35037	3050 LAKESHORE BLVD W ETOBICOKE	321	1	2	2	3	4	7	10	2	2	0
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	114	1	1	2	2	3	5	10	2	2	0
44015	BRONTE RD/WOBURN CRES OAKVILLE	119	1	1	2	2	3	6	8	2	2	0
45001	FIRE HALL, BAYLY/BROCK PICKERING	327	1	1	2	3	4	7	16	2	2	0

TABLE A-25 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985		POLLUTANT - LEAD		UNIT - .1 MICROGRAMS/CU.METRE								TIMES ABOVE CRITERIA 24-HR
STATION NUMBER	LOCATION	NO OF SAMPLES	10	30	PERCENTILES					ARITH MEAN	GEOM MEAN	
					50	70	90	99	MAX			
45011	PUB LIBRARY, 65 BAGOT ST/SIMCOE OSHAWA	117	1	1	2	2	4	17	21	2	2	0
45025	PS, RITSON RD/OLIVE AV OSHAWA	117	1	1	1	2	4	7	9	2	2	0
46025	PUB LIBRARY, 110 DUNDAS W MISSISSAUGA	54	1	2	3	3	4	7	8	3	2	0
46033	FIRE HALL, BRAMALEA RD BRAMALEA	40	1	1	2	3	4	6	6	2	2	0
46041	2414 DIXIE RD MISSISSAUGA	312	4	9	16	31	80	166	256	31	16	55
46045	2365 DIXIE RD MISSISSAUGA	342	1	3	6	10	29	74	119	11	6	10
46046	2360 DIXIE RD MISSISSAUGA	332	1	6	12	23	72	213	251	26	11	47
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	119	1	1	2	3	5	9	12	3	2	0
47042	ARMOURY BLDG, PARK/PARKSIDE ST BARRIE	89	1	1	1	2	4	7	10	2	2	0
54013	POST OFFICE BLDG BELLEVILLE	3	1	1	1	1	1	1	1	1	1	0
59006	CITY HALL, 500 GEORGE ST PETERBORO	82	1	1	2	2	5	8	9	2	2	0
63005	HOSP, ARCHIBALD/ARTHUR STS THUNDER BAY	58	1	1	2	2	3	4	5	2	2	0
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	58	1	1	1	2	2	4	5	1	1	0
63040	435 JAMES ST S THUNDER BAY	55	1	1	1	1	1	2	3	1	1	0
71042	PUMPHOUSE, BONNEY ST SAULT STE MARIE	52	1	1	1	1	3	5	7	2	1	0
71049	LAND OFFICE, QUEEN ST SAULT STE MARIE	51	1	1	2	2	2	7	9	2	2	0
71066	FARWELL PUMPHOUSE SAULT STE MARIE	83	1	1	2	2	4	6	7	2	2	0
72077	MINISTRY OF HEALTH BLDG TIMMINS	40	1	1	1	2	3	7	8	2	1	0
75010	OPP STN NORTH BAY	50	1	1	1	1	2	4	5	1	1	0
77016	WATER TANK, ASH ST SUDBURY	51	1	1	1	1	2	3	4	1	1	0
77026	19 LISGAR ST SUDBURY	52	1	1	1	2	3	4	4	2	1	0
77070	PUMPHOUSE, NICKEL ST COPPER CLIFF	52	1	1	1	1	3	3	3	1	1	0
77076	POST OFFICE FALCONBRIDGE	17	1	1	1	1	1	2	2	1	1	0

TABLE A-26 10-YEAR TREND FOR Pb

10-YEAR TREND FOR Pb

Annual Geometric mean (ug/m3)

City	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CHATHAM	.5	.4	.4	.3	.3	.2	.2	.2	.2	.1
CORNWALL	.4	.4	.2	.2	.1	.2	.2	.2	.1	—
ETOBICOKE	.3	.5	.5	.2	.1	.2	.3	.3	.2	.2
HAMILTON	.7	.8	.9	.6	.5	.6	.4	.4	.4	.3
LONDON	.7	.5	.6	.5	.4	.3	.3	.3	.3	.2
MISSISSAUGA	.4	.5	.5	.4	.3	.4	.3	.3	.3	.2
NORTH BAY	—	—	—	.2	.2	.2	.2	.2	.1	.1
PETERBORO	.2	.4	.4	.3	.3	.3	.2	.2	.2	.2
SARNIA	.5	.6	.1	.2	.1	.1	.1	.2	.1	.1
SCARBORO	.7	.2	.4	.4	.3	.3	.3	.3	.4	.3
SUDBURY	.3	.3	.2	.1	.1	.2	.1	.1	.1	.1
THUNDER BAY	.4	.4	.2	.2	.1	.2	.2	.2	.2	.1
TORONTO	.8	.7	.6	.4	.3	.4	.2	.3	.3	.2
WINDSOR	.6	.8	.5	.3	.3	.2	.2	.2	.2	.2

TABLE A-27 COPPER (Cu) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - COPPER IN TOTAL SUSPENDED PARTICULATE

UNIT - .01 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							MAX	ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99					
12002	CITY HALL, 444 WINDSOR AV WINDSOR	57	5	7	10	13	17	22	25	10	9	0	
12005	7730 RIVERSIDE DR E WINDSOR	59	1	2	3	5	8	13	14	4	3	0	
12008	467 UNIVERSITY AV W WINDSOR	325	3	6	9	15	31	53	72	13	9	0	
12010	SEWAGE STN, HANNING RD WINDSOR	58	3	3	4	7	9	34	131	7	5	0	
12013	FILTRAT PLT,3665 WYANDOTTE ST E WINDSOR	57	6	7	13	22	35	54	57	18	14	0	
12015	SEWAGE STN, HWY 18/PROSPECT WINDSOR	58	8	13	15	27	57	97	115	25	19	0	
13003	POST OFFICE, 10 CENTRE ST CHATHAM	54	5	8	11	14	22	29	29	12	11	0	
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	336	7	18	31	48	79	162	236	39	27	0	
14030	RR1 (W OF HOUSE) CORUNNA	58	5	8	10	13	16	23	25	11	9	0	
14031	RR1 (W OF BARN) MOORETOWN	55	3	4	6	7	9	12	13	6	5	0	
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	57	3	5	9	14	21	35	39	11	9	0	
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	54	6	11	18	25	34	63	100	20	16	0	
15009	LONGWOODS CONSERVATION AUTHORITY	109	7	18	23	32	63	167	204	33	22	0	
22071	EXPERIMENTAL FARM SIMCOE	56	3	5	6	10	14	17	18	8	6	0	
26029	EDNA/FREDERICK STS KITCHENER	57	4	9	15	19	25	40	45	15	12	0	
27037	NORTH/GENEVA ST ST CATHARINES	56	6	10	13	17	22	27	28	14	12	0	
27059	188 EASTCHESTER AV ST CATHARINES	12	49	54	63	69	73	75	75	62	61	0	
27060	PETRIE ST/DUNKIRK RD ST CATHARINES	23	10	15	17	19	21	24	24	17	16	0	
29001	HUGHSON/HUNTER HAMILTON	57	6	8	10	14	18	24	25	11	10	0	
29011	BURLINGTON/LEEDS HAMILTON	58	5	12	19	26	83	104	115	31	19	0	
29017	CHATHAM/FRID HAMILTON	58	8	11	13	18	22	30	37	15	13	0	
29025	BARTON/WENTWORTH HAMILTON	51	12	18	25	31	39	94	98	28	23	0	
29067	450 HUGHSON ST N HAMILTON	58	9	10	12	14	19	25	32	13	12	0	
29085	UPPER WELLINGTON/INVERNESS HAMILTON	53	5	9	12	16	19	33	36	13	12	0	
29102	467 BEACH BLVD HAMILTON	52	13	22	29	44	62	105	113	35	27	0	
29118	MAIN ST W/HWY 403 HAMILTON	12	10	12	14	16	18	18	18	14	14	0	

TABLE A-27 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - COPPER IN TOTAL SUSPENDED PARTICULATE

UNIT - .01 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99	MAX			
31058	MOSLEY/LESLIE STS TORONTO	332	4	8	12	16	24	40	49	13	11	0
31064	17 BERKSHIRE AV TORONTO	234	9	15	20	27	39	80	93	23	20	0
31104	26 BREADALBANE TORONTO	290	5	8	12	17	28	58	264	16	12	0
31123	26 BREADALBANE TORONTO	19	7	9	14	17	22	38	41	15	13	0
32008	30 INDUSTRIAL ST (NUODEX) EAST YORK	101	5	10	14	20	25	36	43	15	13	0
33003	LAWRENCE/KENNEDY SCARBORO	116	5	8	10	13	19	29	31	11	9	0
34002	SC CTR, 770 DON MILLS RD NORTH YORK	115	15	19	23	26	34	43	46	24	22	0
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	115	11	22	30	58	104	148	149	46	33	0
35033	EVANS/ARNOLD AV ETOBICOKE	113	6	12	16	26	51	72	268	24	16	0
35037	3050 LAKESHORE BLVD W ETOBICOKE	321	8	15	23	36	70	160	230	33	23	0
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	114	3	5	10	14	23	42	44	12	9	0
44015	BRONTE RD/WOBURN CRES OAKVILLE	119	7	10	15	22	36	69	83	19	15	0
45001	FIRE HALL, BAYLY/BROCK PICKERING	327	6	11	15	22	39	127	146	21	15	0
45011	PUB LIBRARY, 65 BAGOT ST/SIMCOE OSHAWA	117	6	10	15	23	38	88	91	21	16	0
46025	PUB LIBRARY, 110 DUNDAS W MISSISSAUGA	54	4	6	8	12	18	41	48	11	8	0
46033	FIRE HALL, BRAMALEA RD BRAMALEA	40	8	12	22	33	53	73	81	27	20	0
47042	ARMOURY BLDG, PARK/PARKSIDE ST BARRIE	89	7	9	13	17	25	35	39	14	13	0
54013	POST OFFICE BLDG BELLEVILLE	3	21	25	30	35	40	43	43	31	29	0
59006	CITY HALL, 500 GEORGE ST PETERBORO	82	5	7	9	12	36	92	111	16	11	0
63005	HOSP, ARCHIBALD/ARTHUR STS THUNDER BAY	58	9	15	18	24	39	64	76	22	19	0
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	58	9	12	14	19	27	85	259	20	16	0
71042	PUMPHOUSE, BONNEY ST SAULT STE MARIE	52	2	3	5	7	10	38	64	7	5	0
71049	LAND OFFICE, QUEEN ST SAULT STE MARIE	51	8	11	16	24	34	44	45	19	16	0
71066	FARWELL PUMPHOUSE SAULT STE MARIE	83	7	10	12	18	23	33	34	14	12	0
72077	MINISTRY OF HEALTH BLDG TIMMINS	40	2	3	4	5	9	15	17	5	4	0
75010	OPP STN NORTH BAY	50	7	13	17	21	30	45	51	18	15	0

TABLE A-27 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - COPPER IN TOTAL SUSPENDED PARTICULATE

UNIT - .01 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99	MAX			
77016	WATER TANK, ASH ST SUDBURY	51	15	26	48	56	69	124	139	45	37	0
77026	19 LISGAR ST SUDBURY	52	6	10	15	21	41	65	66	19	15	0
77070	PUMPHOUSE, NICKEL ST COPPER CLIFF	52	20	28	36	47	87	161	183	48	39	0
77076	POST OFFICE FALCONBRIDGE	17	2	9	14	19	21	25	25	13	10	0

TABLE A-28 10-YEAR TREND FOR Cu

10-YEAR TREND FOR Cu

Annual geometric mean (ug/m3)

City	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
BELLEVILLE	—	—	.07	.10	.15	.10	.15	.22	.31	.29
BRAMALEA	.36	.28	.72	.58	.49	.23	.12	.15	.18	.20
CHATHAM	.09	.07	.06	.05	.04	.10	.23	.18	.10	.11
CORNWALL	.05	—	.20	.34	.19	.35	.19	.31	.26	—
ETOBICOKE	.27	.23	.22	.08	—	.23	.08	.12	.10	.16
HAMILTON	.24	—	.40	.29	.19	.22	.23	.32	.30	.23
LONDON	—	.22	.47	.26	.18	.30	.13	.33	.21	.16
MISSISSAUGA	.08	.13	.44	.20	.33	.37	.23	.14	.10	.08
NORTH BAY	—	—	.03	.38	.43	.40	.38	.22	.20	.15
NORTH YORK	.14	.15	.19	.11	—	.11	.20	.16	.20	.22
OSHAWA	.29	.15	.10	.14	.08	.05	.10	.12	.11	.16
PICKERING	—	.24	.36	.30	—	.26	.20	.28	.23	.15
S.S.MARIE	.40	.43	.48	.65	.55	.20	.13	.26	.14	.16
SCARBORO	.27	—	.12	.07	—	.08	.17	.20	.12	.09
SUDBURY	.55	.52	.18	.33	.48	.24	.24	.39	.30	.37
THUNDER BAY	.06	.04	.04	.06	.09	.11	.08	.18	.19	.19
TORONTO	.20	.24	.13	.17	—	.10	.12	.16	.15	.12
WINDSOR	.09	.14	.17	.07	.04	.02	.05	.05	.05	.09

TABLE A-29 IRON (Fe) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - IRON IN TOTAL SUSPENDED PARTICULATE

UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN
			10	30	50	70	90	99	MAX		
12002	CITY HALL, 444 WINDSOR AV WINDSOR	57	5	7	11	16	21	35	40	12	10
12005	7730 RIVERSIDE DR E WINDSOR	59	2	5	8	11	17	35	52	9	7
12008	467 UNIVERSITY AV W WINDSOR	325	6	10	13	18	27	43	52	15	12
12010	SEWAGE STN, HANNING RD WINDSOR	58	3	5	6	10	13	35	51	8	7
12013	FILTRAT PLT, 3665 WYANDOTTE ST E WINDSOR	57	7	13	25	47	77	129	142	36	24
12015	SEWAGE STN, HWY 18/PROSPECT WINDSOR	58	9	17	24	37	58	89	96	30	24
12016	COLLEGE/SOUTH ST WINDSOR	116	3	9	13	19	31	41	47	15	12
12038	2885 HOWARD AV WINDSOR	39	15	22	41	77	164	344	351	73	44
12039	DOUGLAS ST/E.C. ROW W WINDSOR	65	3	10	14	23	42	86	103	19	13
12047	DORWIN PLAZA, DOUGALL AV WINDSOR	52	4	8	12	16	25	39	45	14	11
12049	643 ALEXANDRINE WINDSOR	62	6	10	16	23	43	123	142	23	16
12050	535 CHARLES ST WINDSOR	63	7	15	27	54	133	379	500	57	29
13003	POST OFFICE, 10 CENTRE ST CHATHAM	54	2	4	6	9	14	31	37	7	6
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	336	2	3	4	6	9	21	30	5	4
14030	RRI (W OF HOUSE) CORUNNA	58	1	3	4	6	9	25	30	5	4
14031	RRI (W OF BARN) MOORETOWN	55	2	3	4	7	9	21	23	6	4
14064	CENTENNIAL PK, FRONT ST/CN TRACKS SARNIA	57	2	3	5	7	10	17	23	6	5
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	54	2	3	4	7	13	29	41	7	5
15009	LONGWOODS CONSERVATION AUTHORITY	109	1	2	3	4	7	39	41	4	3
17022	182 WATER ST WINGHAM	39	3	4	8	11	26	52	53	11	8
22071	EXPERIMENTAL FARM SIMCOE	56	2	2	3	5	12	38	41	6	4
26029	EDNA/FREDERICK STS KITCHENER	57	3	4	6	9	12	24	33	8	6
27037	NORTH/GENEVA ST ST CATHARINES	57	4	6	9	11	17	28	32	10	8
27059	188 EASTCHESTER AV ST CATHARINES	12	5	11	18	23	32	34	34	18	15
27060	PETRIE ST/DUNKIRK RD ST CATHARINES	23	4	7	10	17	20	21	21	12	10
29001	HUGHSON/HUNTER HAMILTON	57	6	9	14	24	52	87	111	22	15

TABLE A-29 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - IRON IN TOTAL SUSPENDED PARTICULATE

UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN
			10	30	50	70	90	99	MAX		
29011	BURLINGTON/LEEDS										
	HAMILTON	58	16	40	60	93	172	212	232	78	57
29017	CHATHAM/FRID										
	HAMILTON	58	6	10	18	27	43	62	63	22	17
29025	BARTON/WENTWORTH										
	HAMILTON	51	2	11	21	41	76	146	149	35	19
29067	450 HUGHSON ST N										
	HAMILTON	58	5	8	15	26	39	53	54	19	14
29102	467 BEACH BLVD										
	HAMILTON	52	7	12	25	60	94	127	133	41	25
29118	MAIN ST W/HWY 403										
	HAMILTON	12	4	9	11	15	18	19	19	11	10
31058	MOSLEY/LESLIE STS										
	TORONTO	332	3	8	12	18	32	66	75	16	11
31064	17 BERKSHIRE AV										
	TORONTO	234	3	7	11	17	28	51	71	14	10
31104	26 BREADALBANE										
	TORONTO	290	3	5	7	11	17	33	43	9	7
31120	PERTH/RUSKIN(JUNCTION TRIANGLE)										
	TORONTO	102	2	5	7	10	16	34	36	9	7
31123	26 BREADALBANE										
	TORONTO	19	6	9	12	15	19	21	21	12	11
32008	30 INDUSTRIAL ST (NUODEX)										
	EAST YORK	101	4	6	8	11	16	24	29	9	8
33003	LAWRENCE/KENNEDY										
	SCARBORO	116	2	5	7	9	15	37	38	8	7
34002	SC CTR, 770 DON MILLS RD										
	NORTH YORK	115	2	4	6	8	13	34	39	7	5
35003	ELMCREST RD (CENTENNIAL PK)										
	ETOBICOKE	115	2	4	7	10	16	40	175	10	6
35033	EVANS/ARNOLD AV										
	ETOBICOKE	113	3	6	9	11	20	41	42	10	8
35037	3050 LAKESHORE BLVD W										
	ETOBICOKE	321	3	6	8	12	21	47	68	11	8
44008	HWY2/NORTH SHORE BLVD E										
	BURLINGTON	114	3	5	7	13	23	60	66	11	8
44015	BRONTE RD/WOBURN CRES										
	OAKVILLE	119	2	4	6	8	12	30	35	7	5
45001	FIRE HALL, BAYLY/BROCK										
	PICKERING	327	2	4	7	10	16	33	44	8	6
45011	PUB LIBRARY, 65 BAGOT ST/SIMCOE										
	OSHAWA	117	2	4	7	11	18	40	53	9	7
46025	PUB LIBRARY, 110 DUNDAS W										
	MISSISSAUGA	54	4	6	9	11	18	25	28	10	8
46033	FIRE HALL, BRAMALEA RD										
	BRAMALEA	40	2	6	9	14	22	39	44	11	8
47042	ARMOURY BLDG, PARK/PARKSIDE ST										
	BARRIE	89	2	2	3	6	11	24	32	6	4
54013	POST OFFICE BLDG										
	BELLEVILLE	3	3	4	4	4	5	5	5	4	4
59006	CITY HALL, 500 GEORGE ST										
	PETERBORO	82	2	3	4	8	18	29	43	7	5

TABLE A-29 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - IRON IN TOTAL SUSPENDED PARTICULATE

UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES						MAX	ARITH MEAN	GEOM MEAN
			10	30	50	70	90	99			
63005	HOSP, ARCHIBALD/ARTHUR STS THUNDER BAY	58	2	4	7	15	26	44	51	12	8
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	58	2	3	7	13	23	38	43	10	7
71042	PUMPHOUSE, BONNEY ST SAULT STE MARIE	52	9	35	48	89	263	490	519	99	50
71049	LAND OFFICE, QUEEN ST SAULT STE MARIE	51	3	8	16	21	29	70	72	18	12
71066	FARWELL PUMPHOUSE SAULT STE MARIE	83	4	12	17	32	53	87	146	26	17
72077	MINISTRY OF HEALTH BLDG TIMMINS	40	2	2	5	8	17	31	32	8	5
75010	OPP STN NORTH BAY	50	2	2	3	5	6	9	11	4	3
77016	WATER TANK, ASH ST SUDBURY	51	2	3	6	8	18	67	93	10	6
77026	19 LISGAR ST SUDBURY	52	2	5	7	10	20	41	57	10	7
77070	PUMPHOUSE, NICKEL ST COPPER CLIFF	52	3	6	10	15	28	56	67	14	10
77076	POST OFFICE FALCONBRIDGE	17	3	6	10	12	14	17	18	9	8

TABLE A-30 10-YEAR TREND FOR Fe

10-YEAR TREND FOR Fe

Annual geometric mean (ug/m3)

City	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
BELLEVILLE	—	—	1.3	.5	.8	.4	.5	.6	.5	.4
BRAMALEA	.6	.6	1.0	1.1	.9	.4	.6	1.1	.5	.8
CHATHAM	1.0	1.1	1.4	.9	1.1	.8	.6	.7	.5	.6
CORNWALL	.3	—	.5	.3	.6	.3	.4	.4	.5	—
ETOBICOKE	1.2	1.1	1.3	1.5	—	1.1	.7	.7	.8	.8
HAMILTON	4.0	—	2.9	2.9	2.6	2.3	2.5	2.2	2.3	1.9
LONDON	—	.9	1.3	1.4	1.0	.7	.5	.6	.6	.5
MISSISSAUGA	1.8	1.1	1.0	1.2	1.2	1.2	.8	.9	.9	.8
NORTH YORK	.5	2.0	.8	.3	—	.4	.4	.4	.5	.5
NORTH BAY	1.0	.7	1.2	.2	.6	.4	.5	.2	.3	.3
OSHAWA	.4	1.0	.9	.8	1.4	.4	.6	.5	.4	.7
PICKERING	—	.4	1.1	1.0	—	.5	.5	.5	.6	.6
S.S.MARIE	2.0	1.9	1.1	1.5	1.9	1.2	.5	.5	.7	1.2
SCARBORO	.8	—	.9	.8	—	.6	.5	.6	.7	.7
SUDBURY	1.3	1.2	1.2	.6	.9	1.0	.7	.7	.5	.6
THUNDER BAY	1.4	1.4	1.3	1.6	1.3	1.0	1.0	.9	1.2	.8
TORONTO	.8	1.0	1.0	.8	.6	.9	.7	.8	.8	.7
WINDSOR	2.8	2.7	2.5	1.7	1.2	1.4	1.2	1.1	1.1	1.0

TABLE A-31 MANGANESE (Mn) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - MANGANESE IN TOTAL SUSPENDED PARTICULATE UNIT - .001 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES						MAX	ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99				
12002	CITY HALL, 444 WINDSOR AV WINDSOR	57	18	36	49	68	107	345	509	66	49	0
12005	7730 RIVERSIDE DR E WINDSOR	59	10	19	29	42	76	146	158	39	30	0
12008	467 UNIVERSITY AV W WINDSOR	325	24	39	56	79	119	558	2500	84	55	0
12010	SEWAGE STN, HANNING RD WINDSOR	58	13	22	28	40	59	149	174	35	29	0
12013	FILTRAT PLT, 3665 WYANDOTTE ST E WINDSOR	57	26	43	85	192	503	991	1140	192	98	0
12015	SEWAGE STN, HWY 18/PROSPECT WINDSOR	58	44	74	95	138	216	292	296	114	98	0
13003	POST OFFICE, 10 CENTRE ST CHATHAM	54	11	18	25	32	62	83	88	29	24	0
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	336	6	8	12	16	26	53	120	15	12	0
14030	RR1 (W OF HOUSE) CORUNNA	58	6	9	12	19	30	53	86	16	13	0
14031	RR1 (W OF BARN) MOORETOWN	55	7	9	13	18	32	42	45	16	14	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS SARNIA	57	7	17	22	29	57	147	214	31	23	0
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	54	10	15	20	31	50	117	125	28	22	0
15009	LONGWOODS CONSERVATION AUTHORITY	109	7	8	12	18	28	119	167	18	13	0
22071	EXPERIMENTAL FARM SIMCOE	56	8	12	15	23	49	142	209	25	18	0
26029	EDNA/FREDERICK STS KITCHENER	57	20	27	35	52	81	100	107	43	37	0
27037	NORTH/GENEVA ST ST CATHARINES	56	16	34	42	61	81	103	106	48	42	0
27059	188 EASTCHESTER AV ST CATHARINES	12	31	61	87	111	121	204	217	90	77	0
27060	PETRIE ST/DUNKIRK RD ST CATHARINES	23	29	41	72	112	132	157	158	79	66	0
29001	HUGHSON/HUNTER HAMILTON	57	35	63	89	143	358	509	573	139	92	0
29011	BURLINGTON/LEEDS HAMILTON	58	117	320	541	777	1151	2002	2160	630	408	0
29017	CHATHAM/FRID HAMILTON	58	32	51	104	152	282	402	486	131	96	0
29025	BARTON/WENTWORTH HAMILTON	51	44	87	199	350	776	1572	1740	326	187	0
29067	450 HUGHSON ST N HAMILTON	58	30	47	84	142	268	371	429	117	86	0
29085	UPPER WELLINGTON/INVERNESS HAMILTON	53	19	33	53	101	289	412	441	101	62	0
29102	467 BEACH BLVD HAMILTON	52	51	96	184	345	596	802	808	269	180	0
29118	MAIN ST W/HWY 403 HAMILTON	12	27	41	70	97	114	120	121	70	61	0

TABLE A-31 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - MANGANESE IN TOTAL SUSPENDED PARTICULATE UNIT - .001 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99	MAX			
31058	MOSLEY/LESLIE STS TORONTO	332	17	30	43	60	99	186	254	53	42	0
31064	17 BERKSHIRE AV TORONTO	234	14	27	41	62	102	167	265	50	39	0
31104	26 BREADALBANE TORONTO	290	11	23	33	45	71	124	178	39	32	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	102	11	22	32	49	84	143	173	41	33	0
31123	26 BREADALBANE TORONTO	19	38	47	60	75	98	114	117	65	61	0
32008	30 INDUSTRIAL ST (NUODEX) EAST YORK	101	23	35	46	59	80	121	161	50	45	0
33003	LAWRENCE/KENNEDY SCARBORO	116	19	31	41	52	76	131	183	47	40	0
34002	SC CTR, 770 DON MILLS RD NORTH YORK	115	14	22	29	41	64	100	179	36	30	0
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	115	11	21	36	48	68	171	317	42	32	0
35033	EVANS/ARNOLD AV ETOBICOKE	113	19	37	50	63	91	171	266	55	46	0
35037	3050 LAKESHORE BLVD W ETOBICOKE	321	13	25	35	52	74	124	480	43	35	0
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	114	25	37	54	90	186	282	433	80	60	0
44015	BRONTE RD/WOBURN CRES OAKVILLE	119	11	20	29	38	67	110	192	35	28	0
45001	FIRE HALL, BAYLY/BROCK PICKERING	327	12	20	30	40	67	119	164	36	28	0
45011	PUB LIBRARY, 65 BAGOT ST/SIMCOE OSHAWA	117	13	24	37	65	107	203	347	54	39	0
46025	PUB LIBRARY, 110 DUNDAS W MISSISSAUGA	54	14	26	40	52	70	106	118	42	36	0
46033	FIRE HALL, BRAMALEA RD BRAMALEA	40	18	41	55	63	96	198	236	59	49	0
47042	ARMOURY BLDG, PARK/PARKSIDE ST BARRIE	89	11	11	17	30	48	74	135	25	20	0
54013	POST OFFICE BLDG BELLEVILLE	3	14	19	25	25	26	26	26	21	20	0
59006	CITY HALL, 500 GEORGE ST PETERBORO	82	11	16	25	35	76	175	220	37	27	0
63005	HOSP, ARCHIBALD/ARTHUR STS THUNDER BAY	58	24	31	43	60	80	111	131	49	43	0
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	58	19	33	41	52	80	102	103	45	38	0
71042	PUMPHOUSE, BONNEY ST SAULT STE MARIE	52	88	250	358	651	1447	3449	5030	627	378	0
71049	LAND OFFICE, QUEEN ST SAULT STE MARIE	51	22	47	84	118	192	263	300	92	68	0
71066	FARWELL PUMPHOUSE SAULT STE MARIE	83	29	70	125	182	318	826	1260	173	112	0
72077	MINISTRY OF HEALTH BLDG TIMMINS	40	10	17	26	39	65	94	101	32	25	0

TABLE A-31 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - MANGANESE IN TOTAL SUSPENDED PARTICULATE UNIT - .001 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99	MAX			
75010	OPP STN NORTH BAY	50	10	10	10	19	29	47	47	17	14	0
77016	WATER TANK, ASH ST SUDBURY	51	10	10	10	12	18	107	123	17	13	0
77026	19 LISGAR ST SUDBURY	52	10	10	15	21	35	44	47	18	16	0
77070	PUMPHOUSE, NICKEL ST COPPER CLIFF	52	10	10	10	15	21	37	44	14	13	0

TABLE A-32 NICKEL (Ni) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - NICKEL IN TOTAL SUSPENDED PARTICULATE

UNIT - .001 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99	MAX			
12002	CITY HALL, 444 WINDSOR AV WINDSOR	57	3	4	6	9	11	29	31	7	6	0
12005	7730 RIVERSIDE DR E WINDSOR	59	3	3	5	6	11	57	298	10	5	0
12008	467 UNIVERSITY AV W WINDSOR	325	3	3	7	10	16	30	118	9	6	0
12010	SEWAGE STN, HANNING RD WINDSOR	58	3	3	3	5	8	43	86	6	4	0
12013	FILTRAT PLT, 3665 WYANDOTTE ST E WINDSOR	57	3	3	5	8	13	22	24	7	6	0
12015	SEWAGE STN, HWY 18/PROSPECT WINDSOR	58	3	4	6	8	13	36	55	8	6	0
13003	POST OFFICE, 10 CENTRE ST CHATHAM	54	2	3	6	11	13	20	25	7	6	0
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	336	2	2	3	6	12	33	37	6	4	0
14030	RR1 (W OF HOUSE) CORUNNA	58	2	2	4	6	9	15	17	5	4	0
14031	RR1 (W OF BARN) MOORETOWN	55	2	3	4	5	9	17	18	5	4	0
14064	CENTENNIAL PK, FRONT ST/CN TRACKS SARNIA	57	2	3	5	7	16	26	27	7	5	0
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	54	3	3	3	6	9	12	13	5	4	0
15009	LONGWOODS CONSERVATION AUTHORITY	108	2	3	4	6	8	27	35	5	4	0
22071	EXPERIMENTAL FARM SIMCOE	56	2	2	3	3	4	9	20	3	3	0
26029	EDNA/FREDERICK STS KITCHENER	57	2	2	3	4	5	27	75	5	3	0
27030	KILLALY E/JAMES ST PORT COLBORNE	54	6	14	30	102	233	510	510	88	36	0
27037	NORTH/GENEVA ST ST CATHARINES	52	2	2	3	4	5	11	13	4	3	0
27047	DAVIS/FRAZER PORT COLBORNE	56	8	14	20	49	160	708	985	77	29	0
27059	188 EASTCHESTER AV ST CATHARINES	12	4	5	7	8	10	11	11	7	6	0
27060	PETRIE ST/DUNKIRK RD ST CATHARINES	23	2	3	3	5	7	9	10	4	4	0
29001	HUGHSON/HUNTER HAMILTON	57	2	3	3	5	12	15	15	5	4	0
29011	BURLINGTON/LEEDS HAMILTON	58	3	4	7	11	16	28	30	9	7	0
29017	CHATHAM/FRID HAMILTON	58	2	3	5	7	13	20	21	6	5	0
29025	BARTON/WENTWORTH HAMILTON	51	3	5	9	13	18	38	40	11	8	0
29067	450 HUGHSON ST N HAMILTON	58	2	3	5	7	11	99	343	12	5	0
29085	UPPER WELLINGTON/INVERNESS HAMILTON	53	2	2	2	4	6	15	18	4	3	0

TABLE A-32 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - NICKEL IN TOTAL SUSPENDED PARTICULATE

UNIT - .001 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99	MAX			
29102	467 BEACH BLVD HAMILTON	52	2	2	5	7	14	26	32	7	5	0
29118	MAIN ST W/HWY 403 HAMILTON	12	2	3	3	5	6	7	7	4	4	0
31058	MOSLEY/LESLIE STS TORONTO	332	4	4	4	8	14	34	149	8	6	0
31064	17 BERKSHIRE AV TORONTO	234	4	4	6	9	13	22	40	8	6	0
31104	26 BREADALBANE TORONTO	290	4	4	4	5	12	17	26	6	5	0
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	102	4	4	6	11	15	28	33	9	7	0
31123	26 BREADALBANE TORONTO	19	4	4	4	4	4	8	10	4	4	0
32008	30 INDUSTRIAL ST (NUODEX) EAST YORK	101	4	4	4	5	16	160	303	15	6	0
33003	LAWRENCE/KENNEDY SCARBORO	116	4	4	4	5	8	13	14	5	5	0
34002	SC CTR, 770 DON MILLS RD NORTH YORK	115	4	4	4	5	13	17	19	6	5	0
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	115	4	4	4	4	7	15	20	5	5	0
35033	EVANS/ARNOLD AV ETOBICOKE	113	4	4	6	10	15	41	73	9	7	0
35037	3050 LAKESHORE BLVD W ETOBICOKE	321	4	5	9	15	49	429	890	31	11	0
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	114	4	4	4	6	9	15	21	5	5	0
44015	BRONTE RD/WOBURN CRES OAKVILLE	119	4	4	4	5	8	17	26	5	5	0
45001	FIRE HALL, BAYLY/BROCK PICKERING	327	2	2	3	4	7	31	551	6	3	0
45011	PUB LIBRARY, 65 BAGOT ST/SIMCOE OSHAWA	117	4	4	4	4	4	13	45	5	4	0
46025	PUB LIBRARY, 110 DUNDAS W MISSISSAUGA	54	4	4	4	4	7	23	25	5	5	0
46033	FIRE HALL, BRAMALEA RD BRAMALEA	40	4	4	4	4	4	12	14	4	4	0
47042	ARMOURY BLDG, PARK/PARKSIDE ST BARRIE	89	4	4	4	4	7	16	24	5	5	0
54013	POST OFFICE BLDG BELLEVILLE	3	6	7	8	8	8	8	8	7	7	0
59006	CITY HALL, 500 GEORGE ST PETERBORO	82	4	4	4	4	9	117	551	12	5	0
63005	HOSP, ARCHIBALD/ARTHUR STS THUNDER BAY	58	2	2	3	3	3	3	3	3	3	0
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	58	2	2	3	3	3	14	42	3	3	0
71042	PUMPHOUSE, BONNEY ST SAULT STE MARIE	52	3	3	3	3	7	15	18	4	4	0
71049	LAND OFFICE, QUEEN ST SAULT STE MARIE	51	3	3	4	11	15	17	18	8	6	0

TABLE A-32 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - NICKEL IN TOTAL SUSPENDED PARTICULATE

UNIT - .001 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN	TIMES ABOVE CRITERIA 24-HR
			10	30	50	70	90	99	MAX			
71066	FARWELL PUMPHOUSE SAULT STE MARIE	83	3	3	4	8	12	17	17	6	5	0
72077	MINISTRY OF HEALTH BLDG TIMMINS	40	3	3	4	6	17	40	50	7	5	0
75010	OPP STN NORTH BAY	50	3	3	5	10	14	23	30	7	6	0
77016	WATER TANK, ASH ST SUDBURY	51	13	39	62	154	258	678	725	129	66	0
77026	19 LISGAR ST SUDBURY	52	16	31	50	91	150	759	1280	100	53	0
77070	PUMPHOUSE, NICKEL ST COPPER CLIFF	52	59	99	172	221	469	1097	1370	239	166	0
77076	POST OFFICE FALCONBRIDGE	17	3	3	15	20	36	53	55	17	10	0

TABLE A-33 MAXIMUM MONITORED LEVELS FOR TRACE METALS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31,1987

YEAR - 1985

POLLUTANTS - CHROMIUM IN TSP UNIT - .001 UG/M3
 COBALT IN TSP UNIT - .01 UG/M3
 VANADIUM IN TSP UNIT - .001 UG/M3
 COPPER IN TSP UNIT - .01 UG/M3

NICKEL IN TSP UNIT - .001 UG/M3
 IRON IN TSP UNIT - .1 UG/M3
 CADMIUM IN TSP UNIT - .001 UG/M3
 MANGANESE IN TSP UNIT - .001 UG/M3

STATION NUMBER	LOCATION	NO OF SAMPLES	CR MAX	CO MAX	VV MAX	CU MAX	FE MAX	NI MAX	CD MAX	MN MAX
12002	CITY HALL, 444 WINDSOR AV WINDSOR	57	66	1	23	25	40	31	15	509
12005	7730 RIVERSIDE DR E WINDSOR	59	16	1	33	14	52	298	5	158
12008	467 UNIVERSITY AV W WINDSOR	325	32	1	25	72	52	118	25	2500
12010	SEWAGE STN, HANNING RD WINDSOR	58	26	1	23	131	51	86	6	174
12013	FILTRAT PLT,3665 WYANDOTTE ST E WINDSOR	57	29	1	19	57	142	24	12	1140
12015	SEWAGE STN, HWY 18/PROSPECT WINDSOR	58	65	1	23	115	96	55	41	296
13003	POST OFFICE, 10 CENTRE ST CHATHAM	54	65	1	17	29	37	25	2	88
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	336	38	1	89	236	30	37	6	120
14030	RR1 (W OF HOUSE) CORUNNA	58	38	1	15	25	30	17	4	86
14031	RR1 (W OF BARN) MOORETOWN	55	29	1	29	13	23	18	4	45
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	57	12	9	63	39	23	27	3	214
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	54	22	1	18	100	41	13	4	125
15009	LONGWOODS CONSERVATION AUTHORITY	108	15	1	15	204	41	35	2	167
22071	EXPERIMENTAL FARM SIMCOE	56	11	1	10	18	41	20	2	209
26029	EDNA/FREDERICK STS KITCHENER	57	108	1	24	45	33	75	5	107
27037	NORTH/GENEVA ST ST CATHARINES	56	12	1	22	28	32	13	5	106
27059	188 EASTCHESTER AV ST CATHARINES	12	22	1	12	75	34	11	1	217
27060	PETRIE ST/DUNKIRK RD ST CATHARINES	23	16	1	15	24	21	10	1	158
29001	HUGHSON/HUNTER HAMILTON	57	73	1	40	25	111	15	4	573
29011	BURLINGTON/LEEDS HAMILTON	58	92	1	48	115	232	30	8	2160
29017	CHATHAM/FRID HAMILTON	58	36	1	34	37	63	21	4	486
29025	BARTON/WENTWORTH HAMILTON	51	309	1	37	98	149	40	6	1740
29067	450 HUGHSON ST N HAMILTON	58	26	1	33	32	54	343	9	429
29085	UPPER WELLINGTON/INVERNESS HAMILTON	53	84	1	34	36	N/A	18	4	441

TABLE A-33 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANTS - CHROMIUM IN TSP UNIT - .001 UG/M3
 COBALT IN TSP UNIT - .01 UG/M3
 VANADIUM IN TSP UNIT - .001 UG/M3
 COPPER IN TSP UNIT - .01 UG/M3

NICKEL IN TSP UNIT - .001 UG/M3
 IRON IN TSP UNIT - .1 UG/M3
 CADMIUM IN TSP UNIT - .001 UG/M3
 MANGANESE IN TSP UNIT - .001 UG/M3

STATION NUMBER	LOCATION	NO OF SAMPLES	CR MAX	CO MAX	VV MAX	CU MAX	FE MAX	NI MAX	CD MAX	MN MAX
29102	467 BEACH BLVD HAMILTON	52	37	1	45	113	133	32	4	808
29118	MAIN ST W/HWY 403 HAMILTON	12	15	1	7	18	19	7	2	121
31058	MOSLEY/LESLIE STS TORONTO	332	40	1	23	49	75	149	52	254
31064	17 BERKSHIRE AV TORONTO	234	164	4	26	93	71	40	53	265
31104	26 BREADALBANE TORONTO	290	24	1	27	264	43	26	9	178
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	102	29	1	17	N/A	36	33	N/A	173
31123	26 BREADALBANE TORONTO	19	17	1	14	41	21	10	7	117
32008	30 INDUSTRIAL ST (NUODEX) EAST YORK	101	645	3	12	43	29	303	12	161
33003	LAWRENCE/KENNEDY SCARBORO	116	23	1	16	31	38	14	5	183
34002	SC CTR, 770 DON MILLS RD NORTH YORK	115	21	1	16	46	39	19	10	179
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	115	24	1	32	149	175	20	9	317
35033	EVANS/ARNOLD AV ETOBICOKE	113	32	2	20	268	42	73	20	266
35037	3050 LAKESHORE BLVD W ETOBICOKE	321	341	1	43	230	68	890	1050	480
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	114	30	4	34	44	66	21	22	433
44015	BRONTE RD/WOBURN CRES OAKVILLE	119	14	2	36	83	35	26	60	192
45001	FIRE HALL, BAYLY/BROCK PICKERING	327	28	1	14	146	44	551	11	164
45011	PUB LIBRARY, 65 BAGOT ST/SIMCOE OSHAWA	117	31	1	22	91	53	45	7	347
46025	PUB LIBRARY, 110 DUNDAS W MISSISSAUGA	54	22	1	9	48	28	25	3	118
46033	FIRE HALL, BRAMALEA RD BRAMALEA	40	16	1	17	81	44	14	3	236
47042	ARMOURY BLDG, PARK/PARKSIDE ST BARRIE	89	47	1	13	39	32	24	3	135
54013	POST OFFICE BLDG BELLEVILLE	3	6	1	6	43	5	8	1	26
59006	CITY HALL, 500 GEORGE ST PETERBORO	82	19	1	19	111	43	551	5	220
63005	HOSP, ARCHIBALD/ARTHUR STS THUNDER BAY	58	8	1	9	76	51	3	3	131
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	58	30	1	22	259	43	42	2	103

TABLE A-33 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH										RUN DATE	
YEAR - 1985		POLLUTANTS -		CHROMIUM IN TSP		UNIT - .001 UG/M3		NICKEL IN TSP		UNIT - .001 UG/M3	
		COBALT IN TSP		UNIT - .01 UG/M3		IRON IN TSP		UNIT - .1 UG/M3			
		VANADIUM IN TSP		UNIT - .001 UG/M3		CADMIUM IN TSP		UNIT - .001 UG/M3			
		COPPER IN TSP		UNIT - .01 UG/M3		MANGANESE IN TSP		UNIT - .001 UG/M3			
STATION NUMBER	LOCATION	NO OF SAMPLES	CR MAX	CO MAX	VV MAX	CU MAX	FE MAX	NI MAX	CD MAX	MN MAX	
71042	PUMPHOUSE, BONNEY ST										
	SAULT STE MARIE	52	48	1	22	64	519	18	23	5030	
71049	LAND OFFICE, QUEEN ST										
	SAULT STE MARIE	51	33	1	20	45	72	18	1	300	
71066	FARWELL PUMPHOUSE										
	SAULT STE MARIE	83	26	1	16	34	146	17	3	1260	
72077	MINISTRY OF HEALTH BLDG										
	TIMMINS	40	23	1	11	17	32	50	2	101	
75010	OPP STN										
	NORTH BAY	50	30	1	12	51	11	30	3	47	
77016	WATER TANK, ASH ST										
	SUDBURY	51	27	1	12	139	93	725	15	123	
77026	19 LISGAR ST										
	SUDBURY	52	35	1	13	66	57	1280	8	47	
77070	PUMPHOUSE, NICKEL ST										
	COPPER CLIFF	52	18	3	10	183	67	1370	30	44	
77076	POST OFFICE										
	FALCONBRIDGE	17	25	1	10	25	18	55	31	N/A	

TABLE A-34 NITRATE (NO₃) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - NITRATE IN TOTAL SUSPENDED PARTICULATE

UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN
			10	30	50	70	90	99	MAX		
10015	PUC BLDG, 64 WEST ST GODERICH	60	10	22	36	54	84	128	141	44	31
12002	CITY HALL, 444 WINDSOR AV WINDSOR	57	19	29	38	54	86	101	103	45	39
12005	7730 RIVERSIDE DR E WINDSOR	59	22	27	40	53	80	90	90	44	39
12008	467 UNIVERSITY AV W WINDSOR	325	17	29	41	57	87	142	227	48	39
12009	9725 RIVERSIDE DR E LITTLE RIVER	55	18	26	38	48	73	98	99	42	37
12010	SEWAGE STN, HANNING RD WINDSOR	58	17	23	34	47	63	97	122	38	32
12015	SEWAGE STN, HWY 18/PROSPECT WINDSOR	58	20	36	50	70	110	171	229	60	49
13003	POST OFFICE, 10 CENTRE ST CHATHAM	54	16	31	41	55	73	92	103	43	35
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	336	8	15	21	34	60	105	207	29	22
14064	CENTENNIAL PK,FRONT ST/CN TRACKS SARNIA	57	9	18	28	39	64	96	101	33	26
15001	WRN FAIR GROUNDS, KING/RECTORY LONDON	54	12	23	36	50	86	129	155	43	33
15003	362 DUNDAS ST LONDON	48	7	31	47	65	93	108	111	48	31
22071	EXPERIMENTAL FARM SIMCOE	56	10	21	27	37	58	89	110	33	27
22086	CHEAPSIDE RD(3 KM S OF HWY 3) NANTICOKE	57	12	23	28	37	63	83	102	33	26
26029	EDNA/FREDERICK STS KITCHENER	57	11	19	29	43	65	90	93	35	28
27037	NORTH/GENEVA ST ST CATHARINES	57	14	25	31	40	75	138	140	40	32
27056	ALLENDAL AV NIAGARA FALLS	58	17	25	29	47	75	127	138	41	33
28025	FARQUHAR/WYNDHAM ST GUELPH	58	8	16	25	32	48	64	69	26	22
29001	HUGHSON/HUNTER HAMILTON	57	13	24	31	45	70	97	100	38	31
29011	BURLINGTON/LEEDS HAMILTON	58	18	26	45	65	95	145	193	51	41
29017	CHATHAM/FRID HAMILTON	58	12	25	36	51	82	106	112	41	33
29025	BARTON/WENTWORTH HAMILTON	51	14	26	39	51	78	126	147	43	35
29085	UPPER WELLINGTON/INVERNESS HAMILTON	53	10	18	26	38	55	96	106	31	24
29087	405 CUMBERLAND AV HAMILTON	56	12	23	30	41	71	117	121	37	30
29102	467 BEACH BLVD HAMILTON	36	12	18	27	43	61	135	166	36	28
31104	26 BREADALBANE TORONTO	291	13	24	38	55	79	126	150	43	35

TABLE A-34 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - NITRATE IN TOTAL SUSPENDED PARTICULATE

UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN
			10	30	50	70	90	99	MAX		
31105	SHERBOURNE/WILTON STS TORONTO	113	16	26	39	59	100	142	142	50	38
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	102	11	22	32	46	63	109	136	37	28
31123	26 BREADALBANE TORONTO	19	10	19	31	47	67	74	75	36	28
33003	LAWRENCE/KENNEDY SCARBORO	116	13	23	34	49	67	88	142	38	32
33019	REDLAND CR (SCARB BLUFFS) SCARBORO	108	10	19	30	46	69	103	106	36	28
34002	SC CTR, 770 DON MILLS RD NORTH YORK	115	12	21	34	45	70	96	106	37	31
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	115	10	23	32	52	74	113	116	40	32
35005	QUEENSWAY HOSPITAL ETOBICOKE	115	12	24	37	47	74	144	152	40	33
35033	EVANS/ARNOLD AV ETOBICOKE	113	9	23	36	57	81	132	153	43	30
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	114	14	24	35	50	72	100	116	40	34
44015	BRONTE RD/WOBURN CRES OAKVILLE	119	10	18	29	39	60	77	133	32	26
45001	FIRE HALL, BAYLY/BROCK PICKERING	327	8	15	27	41	73	126	160	34	24
45025	PS, RITSON RD/OLIVE AV OSHAWA	117	10	21	34	49	86	146	161	41	29
46025	PUB LIBRARY, 110 DUNDAS W MISSISSAUGA	54	16	27	36	54	80	135	164	44	35
46033	FIRE HALL, BRAMALEA RD BRAMALEA	40	13	31	45	61	93	161	174	50	36
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	119	12	20	29	41	67	114	153	36	29
47019	POST OFFICE, 17-25 PETER ST S ORILLIA	51	6	11	27	42	59	93	133	31	20
47042	ARMOURY BLDG, PARK/PARKSIDE ST BARRIE	89	7	15	25	42	62	100	132	32	21
54013	POST OFFICE BLDG BELLEVILLE	3	21	22	23	36	57	70	72	38	32
58027	51 SHUTER ST PORT HOPE	71	10	21	37	52	75	141	145	40	30
58041	FILT PLT, MARSH ST PORT HOPE	72	6	18	24	33	47	63	72	26	21
58042	CAN TIRE, QUEEN ST PORT HOPE	65	8	16	24	36	52	58	59	27	21
59006	CITY HALL, 500 GEORGE ST PETERBORO	82	7	18	29	43	56	88	95	32	23
63005	HOSP, ARCHIBALD/ARTHUR STS THUNDER BAY	58	3	6	7	11	23	36	41	10	8
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	58	2	5	6	10	19	26	29	9	6
63040	435 JAMES ST S THUNDER BAY	55	4	6	8	12	19	30	31	10	8

TABLE A-34 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - NITRATE IN TOTAL SUSPENDED PARTICULATE

UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN
			10	30	50	70	90	99	MAX		
71042	PUMPHOUSE, BONNEY ST SAULT STE MARIE	52	5	7	9	18	35	63	73	16	10
71049	LAND OFFICE, QUEEN ST SAULT STE MARIE	51	5	7	10	17	31	60	69	16	10
71066	FARWELL PUMPHOUSE SAULT STE MARIE	83	3	5	9	16	30	63	69	14	8
72077	MINISTRY OF HEALTH BLDG TIMMINS	40	3	6	7	10	15	32	37	9	6
75010	OPP STN NORTH BAY	50	5	7	9	13	29	40	42	13	10
77016	WATER TANK, ASH ST SUDBURY	51	3	6	8	12	27	43	49	12	8
77026	19 LISGAR ST SUDBURY	52	3	6	9	15	31	46	47	14	8
77070	PUMPHOUSE, NICKEL ST COPPER CLIFF	52	1	5	7	12	24	51	57	11	6
77076	POST OFFICE FALCONBRIDGE	17	1	2	5	10	19	28	30	8	3

TABLE A-35 10-YEAR TREND FOR NO₃10-YEAR TREND FOR NO₃

City	Annual geometric mean (ug/m3)									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
BELLEVILLE	2.4	1.2	2.3	3.3	2.6	2.0	2.5	2.9	2.7	3.2
BRAMALEA	2.1	2.1	2.9	3.8	2.9	3.0	4.3	3.8	3.8	3.6
CHATHAM	3.2	4.2	4.2	5.2	5.3	4.6	3.7	3.1	3.5	3.5
CORNWALL	2.0	1.0	2.0	2.5	2.1	2.4	2.2	2.3	2.4	—
ETOBICOKE	3.2	2.4	4.3	4.1	4.6	4.9	4.9	3.3	3.7	3.0
HAMILTON	3.4	2.5	4.1	4.0	3.8	3.4	3.7	3.7	3.8	3.5
LONDON	2.6	2.4	3.9	4.9	4.5	3.5	3.6	3.3	3.6	3.3
MISSISSAUGA	2.8	2.3	3.3	3.6	3.1	3.5	4.0	4.1	3.8	3.5
NORTH BAY	1.1	.9	3.1	2.0	1.4	1.2	1.2	1.2	1.1	1.0
NORTH YORK	2.8	2.0	3.4	4.4	3.3	3.1	3.2	3.1	3.3	3.1
PICKERING	2.0	1.9	3.5	3.1	2.5	2.7	2.7	2.0	2.4	2.4
SCARBORO	2.7	2.1	3.1	3.6	3.4	3.0	3.3	3.2	3.6	3.2
SUDBURY	1.1	.6	1.0	1.0	1.2	1.6	1.1	1.3	.9	.8
THUNDER BAY	.6	1.0	1.0	.7	1.2	1.5	1.2	.7	.9	.8
TORONTO	3.0	2.7	3.8	4.2	3.7	3.7	3.8	3.6	3.5	3.5
WINDSOR	4.2	3.9	5.3	5.7	5.5	5.8	4.4	4.1	3.5	3.9

TABLE A-36 SULPHATE (SO₄) STATISTICS (1985)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - SULPHATE IN TOTAL SUSPENDED PARTICULATE UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN
			10	30	50	70	90	99	MAX		
10015	PUC BLDG, 64 WEST ST GODERICH	60	48	65	91	118	150	234	235	99	88
12002	CITY HALL, 444 WINDSOR AV WINDSOR	57	56	63	75	93	164	310	327	95	85
12005	7730 RIVERSIDE DR E WINDSOR	59	55	67	77	104	160	244	329	93	85
12008	467 UNIVERSITY AV W WINDSOR	325	51	74	93	123	175	243	398	104	93
12009	9725 RIVERSIDE DR E LITTLE RIVER	55	50	61	75	88	159	237	305	90	82
12010	SEWAGE STN, HANNING RD WINDSOR	58	47	59	73	98	156	297	335	91	78
12015	SEWAGE STN, HWY 18/PROSPECT WINDSOR	58	77	102	130	155	198	281	341	136	126
13003	POST OFFICE, 10 CENTRE ST CHATHAM	54	58	69	77	98	143	220	235	89	75
14016	HWY40 (OPP LAMBTON GS) COURTRIGHT	336	33	49	62	77	118	190	222	70	62
14064	CENTENNIAL PK, FRONT ST/CN TRACKS SARNIA	57	37	46	59	83	143	215	258	75	65
15001	WRN FAIR GRUNDS, KING/RECTORY LONDON	54	34	56	74	86	122	197	203	78	69
15003	362 DUNDAS ST LONDON	48	30	71	89	107	191	236	237	99	81
22071	EXPERIMENTAL FARM SIMCOE	56	33	46	54	67	133	155	161	66	59
22086	CHEAPSIDE RD(3 KM S OF HWY 3) NANTICOKE	57	41	48	58	75	119	196	227	71	64
26029	EDNA/FREDERICK STS KITCHENER	57	36	46	54	68	104	147	159	62	57
27037	NORTH/GENEVA ST ST CATHARINES	57	37	49	62	76	109	172	180	69	63
27056	ALLENDALE AV NIAGARA FALLS	58	35	59	77	88	124	195	198	79	71
28025	FARQUHAR/WYNDHAM ST GUELPH	58	31	34	42	50	75	115	144	48	44
29001	HUGHSON/HUNTER HAMILTON	57	42	54	65	87	138	181	198	77	69
29011	BURLINGTON/LEEDS HAMILTON	58	61	83	104	141	188	295	317	120	107
29017	CHATHAM/FRID HAMILTON	58	39	60	73	92	136	179	184	80	64
29025	BARTON/WENTWORTH HAMILTON	51	53	73	84	105	143	211	236	95	88
29085	UPPER WELLINGTON/INVERNESS HAMILTON	53	36	47	55	77	102	190	193	67	59
29087	405 CUMBERLAND AV HAMILTON	56	44	57	74	91	119	203	204	81	73
29102	467 BEACH BLVD HAMILTON	36	45	55	95	114	163	280	341	99	85
31104	26 BREADALBANE TORONTO	291	40	60	73	92	130	184	262	80	73

TABLE A-36 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - SULPHATE IN TOTAL SUSPENDED PARTICULATE UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN
			10	30	50	70	90	99	MAX		
31105	SHERBOURNE/WILTON STS TORONTO	113	48	68	89	108	170	229	257	98	88
31120	PERTH/RUSKIN(JUNCTION TRIANGLE) TORONTO	102	41	58	69	89	132	181	182	79	72
31123	26 BREADALBANE TORONTO	19	58	62	84	95	150	210	223	90	76
33003	LAWRENCE/KENNEDY SCARBORO	116	39	55	69	89	118	179	192	76	70
33019	REDLAND CR (SCARB BLUFFS) SCARBORO	108	35	55	70	91	122	196	216	77	68
34002	SC CTR, 770 DON MILLS RD NORTH YORK	115	45	65	78	95	136	195	205	83	77
35003	ELMCREST RD (CENTENNIAL PK) ETOBICOKE	115	45	60	76	93	128	204	227	83	76
35005	QUEENSWAY HOSPITAL ETOBICOKE	115	31	57	73	90	121	203	205	79	69
35033	EVANS/ARNOLD AV ETOBICOKE	113	47	62	76	90	121	197	202	83	77
44008	HWY2/NORTH SHORE BLVD E BURLINGTON	114	50	61	72	96	134	194	238	83	77
44015	BRONTE RD/WOBURN CRES OAKVILLE	119	42	52	69	87	130	197	224	79	71
45001	FIRE HALL, BAYLY/BROCK PICKERING	327	29	43	57	77	109	175	226	65	57
45025	PS, RITSON RD/OLIVE AV OSHAWA	117	43	57	73	92	136	176	219	80	72
46025	PUB LIBRARY, 110 DUNDAS W MISSISSAUGA	54	48	58	65	88	126	199	284	79	71
46033	FIRE HALL, BRAMALEA RD BRAMALEA	40	43	62	83	95	132	233	272	86	77
46110	QUEENSWAY W/HURONTARIO ST MISSISSAUGA	119	41	56	69	82	131	210	250	77	70
47019	POST OFFICE, 17-25 PETER ST S ORILLIA	51	38	63	80	89	112	172	214	76	63
47042	ARMOURY BLDG, PARK/PARKSIDE ST BARRIE	89	45	55	63	74	99	203	213	71	65
54013	POST OFFICE BLDG BELLEVILLE	3	48	53	59	62	65	67	67	57	56
58027	51 SHUTER ST PORT HOPE	71	26	44	60	94	162	247	293	80	65
58041	FILT PLT, MARSH ST PORT HOPE	72	22	32	44	67	130	196	215	61	48
58042	CAN TIRE, QUEEN ST PORT HOPE	65	24	36	50	77	146	188	194	69	55
59006	CITY HALL, 500 GEORGE ST PETERBORO	82	37	53	64	77	104	140	158	69	64
63005	HOSP, ARCHIBALD/ARTHUR STS THUNDER BAY	58	21	27	33	43	67	143	145	41	35
63022	HOSPITAL, 35 ALGOMA ST N THUNDER BAY	58	17	26	32	40	60	159	191	40	33
63040	435 JAMES ST S THUNDER BAY	55	16	22	27	42	54	151	159	37	30

TABLE A-36 (CONT.)

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

RUN DATE
MAR 31, 1987

YEAR - 1985

POLLUTANT - SULPHATE IN TOTAL SUSPENDED PARTICULATE UNIT - .1 MICROGRAMS/CU.METRE

STATION NUMBER	LOCATION	NO OF SAMPLES	PERCENTILES							ARITH MEAN	GEOM MEAN
			10	30	50	70	90	99	MAX		
71042	PUMPHOUSE, BONNEY ST SAULT STE MARIE	52	52	88	105	147	255	321	324	131	108
71049	LAND OFFICE, QUEEN ST SAULT STE MARIE	51	45	62	68	85	111	146	155	76	72
71066	FARWELL PUMPHOUSE SAULT STE MARIE	83	28	45	55	71	105	146	148	61	51
72077	MINISTRY OF HEALTH BLDG TIMMINS	40	15	23	30	43	60	123	135	38	30
75010	OPP STN NORTH BAY	50	35	54	64	72	84	116	128	63	60
77016	WATER TANK, ASH ST SUDBURY	51	38	47	55	76	98	181	186	65	52
77026	19 LISGAR ST SUDBURY	52	48	56	71	82	110	170	181	75	64
77070	PUMPHOUSE, NICKEL ST COPPER CLIFF	52	38	59	73	85	119	152	169	76	69
77076	POST OFFICE FALCONBRIDGE	17	23	48	66	85	107	160	171	69	45

TABLE A-37 10-YEAR TREND FOR SO₄10-YEAR TREND FOR SO₄Annual geometric mean (ug/m³)

City	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
BELLEVILLE	7.8	5.7	6.8	9.7	9.0	6.5	6.7	7.5	6.5	5.6
BRAMALEA	4.9	7.3	8.5	9.2	9.0	8.2	8.8	9.0	10.8	7.7
CHATHAM	7.3	9.8	10.3	10.7	10.3	9.3	7.8	7.9	7.4	7.5
CORNWALL	8.7	9.0	8.5	11.2	10.8	9.9	8.2	10.6	9.4	-
ETOBICOKE	7.8	8.6	10.8	12.9	13.8	12.1	11.3	8.8	9.3	7.7
HAMILTON	10.7	11.4	12.0	13.6	12.5	9.6	9.6	10.1	10.9	8.8
LONDON	5.8	7.0	7.7	10.2	10.7	8.1	7.9	7.3	8.7	6.9
MISSISSAUGA	6.6	8.3	9.0	8.9	10.3	10.3	9.5	10.0	10.7	7.1
NORTH BAY	6.4	6.2	7.3	7.5	8.2	6.6	6.3	6.6	7.1	6.0
NORTH YORK	6.4	7.3	8.7	11.2	11.7	9.1	8.8	8.0	7.3	7.7
PICKERING	5.1	6.3	8.2	9.5	7.6	7.2	6.6	5.8	5.8	5.7
SCARBORO	6.8	7.5	9.0	11.6	11.7	9.1	8.6	8.4	8.2	7.0
SUDBURY	4.6	7.5	6.6	8.4	10.6	9.8	7.3	8.5	7.4	5.2
THUNDER BAY	3.1	4.4	4.4	5.4	6.5	7.8	6.4	4.0	4.3	3.5
TORONTO	8.3	8.8	8.9	13.1	12.9	10.1	9.5	8.7	8.0	7.3
WINDSOR	8.0	11.2	12.3	12.7	12.6	12.0	9.9	8.7	8.6	8.5

